PARIS, WEDNESDAY, DECEMBER 7, 1988

ESTABLISHED 1887

Exports Push Japan's Growth To 9.3% Level in 3d Quarter

TOKYO - The Japanese economy grew at an annualized 9.3 percent rate in the third quarter as consumers and manufacturers went on spending sprees and exports boomed, the government said

The Economic Planning Agency said the brisk growth, which transiates to an inflation-adjusted quarterly rate of 2.2 percent, occurred in July-September after the economy contracted an annualized 3.3 percent in the previous three-month period. That decline reflected singgish external demand and sagging

"The economy is very much on

By Reginald Dale

MONTREAL - The heads of

the International Monetary Fund

and the World Bank warned Tues-

day that mounting protectionism continued to threaten the world

economy, and they called for ur-

gent action to reduce international

In separate speeches at the 103-

nation Montreal trade talks, being held under the aegis of the General Agreement on Tariffs and Trade,

ial Herald Tribine

Enkyo, chief economist with the due to the higher value of the year against the dollar.

But the strong performance was a mixed blessing for Japan's trad- exports is raising concern that the ing partners because nearly one-direction of the country's economy quarter of the growth came from increased exports. Other countries had hoped the rise in Japan's domestic demand would translate into increased imports and a reduction of the country's huge trade

A strong 1.5 percent increase in quarter-to-quarter exports, com-pared with a 0.7 percent decline in the last quarter, led to 0.4 percent increase in external demand, offi-

Meanwhile, quarter-to-quarter imports declined by 1.1 percent from the April-June period, largely

Protectionism: New Warning

IMF and World Bank Chiefs Call for Action on Barriers

Bank, said that the world trading

system was coming under increas-

ing strains that could endanger

world growth and development.

world trading system.

The unexpectedly high growth in may be turning once again to a more export-dependent structure, said government officials.
Officials said the unexpectely

high third-quarter figures seemed to be in part a reaction to the negative growth of the previous quarter, but the nation's economy recovered to a stable level. The gross national product increased at an ed rate of 11.3 percent in the first quarter of the year, an adjusted rate of 2.7 percent. Takashi Saito, general managing director of the research division at

See JAPAN, Page 19

President Gorbachev during arrival ceremonies Tuesday at John F. Kennedy International Airport. deal, especially in terms of the ac-

Gorbachev Vows New Dynamism In U.S. Relations

By Fred Farris

NEW YORK -- Mikhail S. Gorbachev arrived in New York on Tuesday for a three-day visit during which he intends to discuss the entire range of U.S. Soviet issues with President Ronald Reagan and President-elect George Bush.

The Soviet president, who will address the United Nations General Assembly on Wednesday mosning before meeting Mr. Resgan and Mr. Bush, is thought likely by U.S. officials to outline new ideas on Afghanistan, the Middle East, hnman rights and trade.

One report shortly before his arrival suggested that Mr. Gorbachev planned to propose a unilateral 30 percent reduction in Soviet troops. The report by Radio Netherland World Service, a Dutch radio station, said that General Dmitri T. Yazov, the Soviet defense minister, had threatened to resign if the offer were actually made.

The Aeroflot jet carrying Mr. Corbachev, his wife, Raisa, and his delegation landed shortly before 3 P.M. at John F. Kennedy Interna-

tional Airport. Mr. Gorbachev said he looked forward to meeting Mr. Presid-Reagan and Mr. Bush. "I am deed very happy to have this new opportunity to meet with them," he declared. "The fact that such a tive state of Soviet-American rela-

tions. That is good." "I believe that we can safely say even now the conversations, and meeting itself, will doubtless promote greater dynamism in the dialogue and expansion of cooperation between our two countries," he said. "I believe this meeting will serve the best interests of the United States and the Soviet Union—

indeed of all the world." Mr. Gorbachev said that there was no formal agenda for the talks. "Each side will free to raise any

President Gorbachev is expected to press for a relexation of U.S. trade restrictions. Page 2.

questions it wishes to," he said predicting that his stay in the United States would bring "fruitful and useful days." "We are certainly prepared to

make our contribution to that end," the Soviet leader said. Mr. Gorbachev also said that the Soviet Union intended "to broaden and extend its relations with the United Nations and with all the

One U.S. official acknowledged the rossibility of a "oran i gesture"

"It is plausible truey would do u on the eve of the opening of negoti-ations with the West and also as a public relations move," the official

The North Atlantic Treaty Orgaexpected to open talks on reducing

troops, tanks and other nonnuclear forces early next year.

The Soviet leader was accompanied to New York by Foreign Min-ister Eduard A. Shevardnadze, Alexander N. Yakovlev of the

Polithuro and Deputy Prime Min-ister Vladimir Kamentsev. Mr. Gorbachev is making his first visit to New York - and the first to the city by a Soviet leader since Nikita Khrushchev's trip in 1960. He not only will meet Mr. Reagan for a fifth time, but also will meet on a different, more sigmilicant level with Vice President Bush, who takes office Jan. 20 as

the next U.S. president. A key Soviet aide said that Mr. Gorbachev may want to discuss advance arrangements for a full-scale summit meeting next year with Mr.

Mr. Gorbachev, whose country is wrestling with chronic economic troubles and, lately, ethnic disoranalysts to want assurances of con-See SUMMIT, Page 2

3 Are Killed In Clashes in Azerbaijan

By David Remnick Washington Past Service

MOSCOW - The Soviet Foreign Ministry announced the deaths on Tuesday of three more people in ethnic violence in the southern republic of Azerbaijan.

Despite rumors sweeping the Azerbaijani capital of Baku that Soviet troops had killed at least one person while breaking up rallies in recent days, the Foreign Ministry spokesman, Vadim Perfilyev, said the deaths were "not as a result of clashes with security forces." He did not say how the people died.

Soviet troops reportedly fired over the heads of protesters in Baku on Monday. The region has been closed to Western reporters since violence flared again two

In another development, a Soviet political activist said from jail in ponical activist said from Jail in Armenia on Tuesday that the gov-enment's handling of the crisis in the southern Soviet republics of Ar-menia and Azerbaijan had de-prived Mikhail S. Gorbachev of the right to talk about human rights at the United Nations or elsewhere.

in a statement relayed from one of his colleagues on the indepen-dent journal Glasnost, the activist, Sergei I. Grigoryants, said that he was serving a 30-day sentence in Yosevan without trial on a "false charge" of trying to penetrate a military installation and resisting arrest. Mr. Grigoryants was arrest-ed last week when he tried to report on fighting between Armenians and Azerbaijanis.

Thirty-one people have died in violence in Armenia and Azerbaijan in the past two weeks, and 61 have died since the conflict broke out in February, according to Soviet officials. Others familiar with the et onecass. Outside land with the situation say they believe the death toll is at least double the official

L Marie

At a news conference, Mr. Perfilyev added that six people were wounded in the Azerbaijan vio-See ETHNIC Page 2

Michel Camdessus, the IMF man-aging director, and Barber B. Con-would be resolved by the end of the **Bush Rounds Out**

By Ann Devroy Washington Post Service

WASHINGTON - Presidentelect George Bush named five senior officials Tuesday to his administration, including his first female cabinet member, Carla Hills, a Washington lawyer who is to be special trade representative, and Thomas Pickering, a career diplomat who is to be the chief delegate to the United Nations.

As expected, Mr. Bush named his friend and campaign fund-rais-er, Robert A. Mosbacher, a Texas oilman, to the post of commerce

Michael J. Boskin, as chairman of the Council of Economic Advisors.

Kiosk

Soviets Discuss

New Spaceport MOSCOW (UPI) — The Soviet Union and Australian businessmen are negotiating to build a spaceport in Austra-ia for which Moscow would

supply Proton rockets in a

huge commercial deal, a top Soviet official said Tuesday.

Alexander Dunayev, head space marketing agency, said that the port would be built in northern Australia just south of the equator. A Western source said it would be the largest Soviet space commer-



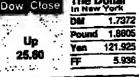
Robert H. Michel, minority leader of the U.S. House of Representatives, calls for political reforms. Page 3.

An Argentine colonel was seized as a revolt ends.Page 2.

Morgan Grenfell shook the City of London by dismissing 450 employees. Page 15.

Special Report A new generation of direct-to-

home satellites promises a new era of television viewing in Eu-Pages 7-12.



Economics Team

has been asked to stay on as director of central intelligence, the latest in a series of holdover appoint-ments from the Reagan administra-

The new members of the Bush

importance of trade issues, the post would be a cabinet position in his

 Mr. Pickering, 57, ambassador to Israel since 1985 and, before that, ambassador to El Salvador, joined the Foreign Service in 1959 foreign policy posts in the State Department and overseas. Mr. Bush said the UN post would not he said, would report to Secretary of State-designate James A. Baker 3d. In the past, the UN post had been a political reward.

Bush's "flexible freeze" plan to re-duce the budget deficit, and has described himself as flatfy against a

He will be the third Texan to join the cabinet, after Mr. Baker, and Lauro F. Cavazos, the current sec-See BUSH, Page 2

er during his campaign.

"Stay tuned, we're only halfway through this act," Mr. Bush said. He has eight cabinet members left

tinational commpanies.

and has held a stream of sensitive be cabinet-level, as it had been in the Reagan cabinet. Mr. Pickering,

able, the president of the World talks Thursday, when the meeting

In addition, Mr. Bush announced that William H. Webster pered over their differences with-

strictions on rice and other farm imports, had been happily taking cover behind the U.S.-EC dispute,

 Mrs. Hills, 54, secretary of Housing and Urban Development in the Ford administration in 1975serves on the boards of several mul-

Mr. Boskin, 42, a Stanford University economist, is considered a mainsteam conservative. He was the principal author of Mr.

 Mr. Mosbacher, 61, a wealthy
 Texan who presides over Mosbacher Energy Co. of Houston, is a veteran Republican fund-raiser who, like Mr. Bush, is the son of a Wall Street financier who moved to Texas to make money in the oil

The two issued their warnings as tense negotiations continued here in a bid to solve an acrimonious farm trade dispute between the United States and the European

world trade liberalization.

After a lengthy meeting with Richard E. Lyng, the U.S. secretary of agriculture, Henri Nallet, the French minister of agriculture, said Tuesday that he doubted whether the dispute could be resolved with-out significant changes in the U.S. Community. The dispute threat-ened to stall efforts to reform the position, of which there had so far

is meant to conclude with a re-

newed political commitment to

been no sign.
The United States was sticking But it was not at all sure that the to its demand for a commitment to the long-term abolition of all "trade-distorting" farm subsidies, which the European Community rejects as unrealistic.

Frans Andriessen, the EC vice president for agriculture, said that mless the conduct of the negotiations was changed there was no hope of a solution. "The Americans are demanding 100 percent, and that is not acceptable," he said.

Conference officials said the

only possible outcomes appeared to be a retreat by one or the other or a "fudged" compromise that paout resolving the basic conflict in the two positions. Japan, which has been under fire from the United States over its re-

the officials said. in contrast to the high profile See GATT, Page 19

make their homes in New York, from Brighton Beach to the Upper West Side. Including Washington Past Service NEW YORK — The tables are piled with caviar, chicken in spicy walnut sauce and shashlik. Off in the corner, a sequined fornigrants from the time of the 1917 Bolshevik Revolution and their descendants, perhaps half a million people of Russian descent tune-teller casts her cards. All around, deal live in New York. makers, writers and artists chatter above the

A Manhattan Mini-Moscow for Emigrés

"Russians are spoiled; it is hard to feed them to their satisfaction," said Irina Abrosimova, one of five partners in the Samovar. "Gorbachev should naturally come to see it, to see a little corner of Russia that we have

At first, Mrs. Abrosimova said, Russians ignored the place. But the fine Russian vodkas and the fine antique Russian plates on the walls soon drew Mikhail Baryshnikov, artis-tic director of the American Ballet Theater. Mr. Baryshnikov and a Russian friend, the

another emigre, have since become partners in the place, Mrs. Abrosimova said, along with her two original partners, Roman Ka-plan and Boxis Blekh, the chef.

Russian émigrés, from artists and writers to engineers, doctors and bankers, are pursuing a diversity of careers and interests in New

New York has long been a magnet for Russians. Some, like Alexander Kerensky. who led the short-lived provisional govern-ment until it fell to the Bolsheviks in November 1917, fled the country and settled on 91st. Street. Even earlier, as Mr. Kerensky and his: colleagues struggled to form a democratic government in Russia, future Bolshevik leaders like Nikolai Bukharin and Loon Trotsky

See EMIGRES, Page 2

in the Ford administration in 197577, practices law in the capital and The boards of several mul-Mr. Bush said thet because of the post Will Sign Angola Pact

By David B. Ottaway

Washington Post Service
WASHINGTON — South Africa has informed the United States that it intends to sign a U.S.-brokered peace settlement for south-western Africa although it unex-pectedly walked out on what was expected to be an initial signing ceremony Sunday.

worked out what was bothering them," a U.S. official said Monday. "They will go ahead."
The South African walkout led

to speculaton that Pretoria had changed its mind about signing the agreement, which provides both for the withdrawal of 52,000 Cuban troops stationed in Angola and independence elections in neighboring Namibia.
Negotiators from the United

States, South Africa, Cuba and Angola had been expected to sign a protocol outlining the terms of the agreement during the weekend after completing final talks on verifi-cation procedures for the Cuban troop withdrawal.

tion appeared to have more to do with the dynamics of internal South African politics than with details of the verification plan.

By Elizabeth Tucker

strains of melancholy Russian songs.

The scene is not in the Soviet Union, but

the Russian Samovar at 52d Street and

Eighth Avenue, one of the most popular

meeting spots for Manhattan's lively Soviet

If President Mikhail S. Gorbachev were to

depart from official meetings on his visit to

New York, which began Tuesday, and

scratch just beneath the surface, he might be

startled to find a busy microcosm of his

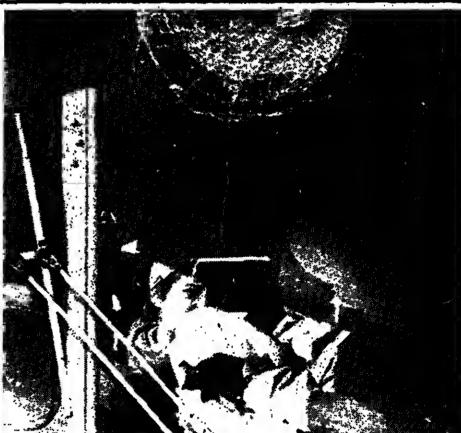
U.S. officials still expect the pro-tocol to be signed later this month, and possibly the overall agreement, barring last-minute objections from one of the three other parties.

The accord on the UN-supervised troop withdrawal will be signed between Angola and Cuba

alone as part of an overall agreement. But South Africa also has to be satisfied about the arrangement in order to give its approval for proceeding with UN-supervised independence elections in Namibia. Meanwhile, a top leader of the U.S-backed rebel group fighting the Marxist Angolan government expressed reservations about one

part of the verification procedure. Jeremias K. Chitunda, vice president of the National Union for the Total Independence of Angola (UNITA), said the plan should include an initial assessment to escation procedures for the Cuban troop withdrawal.

But on Sunday, Foreign Minister
R.F. Botha of South Africa suddenly withdrew from the talks figure is 57,000 to 60,000 and that without signing the protocol. U.S. there are also "15,000 to 20,000 journalists traveling with Mr. Bo-Cubans" who have been given An-



INTIFADA: ONE YEAR OLD — Israeli women and children sitting in a civilian bus Tuesday after it was stoned while traveling from the occupied West Bank to Jerusalem. One rock still is embedded at the top of the windshield. No one was injured in the attack. Related articles, Page 6.

'Tis No Season to Be an East Bloc Shopper in Czechoslovakia

By John Tagliabue PRAGUE - Comrade Scrooge

showed up here several weeks early. The Czechoslovak government has slapped strict curbs and stiff penalties on Christmas shoppers from several frater-

the holidays, prompted quick retaliation from several East bloc nations and sparked what one economist called a full-scale customs war." The musual episode underscores the obstacles to efforts of the East bloc to integrate currencies and reflects the growing difficulties many of these coun-

tries have in satisfying basic consumer A Prague government spokesman, and sporting goods, and home entertain-Miroslav Pavel, described the measures ment equipment like television sets and

as temporary, although he said that the government had set no date for lifting them. Other officials said they believed that the measures would not be lifted

The long list of items that cannot be taken out of the country, published in nal neighbors, including Poland, East
Germany, Hungary and the Soviet
Union.

The move, evidently adopted to make sure that shops were not stripped before

the stripped before the stripp crators, home freezers, and other household appliances. It included such basic items as bicycle and auto parts; diapers; toothpaste and toilet paper; and building

which export licenses are necessary, and

able time and paperwork. It included all

food products not on the first list, leather

obtaining the licenses requires consider-

materials like lime and cement. A second list was issued of goods for

stereo equipment. The regulations call for a 100 percent export fee on goods taken out with authorization.

Under the new curbs, the total value of goods that travelers can take from the country was cut by half, to 500 koruny, or

Economists attributed the drastic rules to the economy's inability to adjust quickly to shifts in consumer demand, as well as to the East bloc's rigid currency exchange system, which creates dispanties in purchasing power that tend to favor buyers from some countries like Poland when they purchase goods elsewhere in the bloc. The Czechoslovak government was ev-

idently galvanized to action by growing outflows of consumer goods, particularly to East Germany, Poland, and, increasingly, the Soviet Union. "Czechoslovakia cannot be a mediator

to solve the consumer problems of other countries." Mr. Pavel said. He said that dering the Soviet Union. Economists say similar steps.

although it was difficult to give exact figures, government planners felt the depletion of supplies acutely in northern areas of the country, near the border with

Poland, and in Prague.

Cross-border shopping has become more frequent as East European governments liberalize travel rules. The Czecho-slovak measures, and the retaliatory steps, come at a time when Austrian retailers are reporting increased sales as large numbers of Humgarians avail them-selves of liberalized travel rules to shop in neighboring Vienna. In Czechoslovakia, travelers often en-

counter tourists returning to their home-lands with large quantities of food, clothing or household items. Shopkeepers have reported increasing numbers of Soviet tourists who arrive with large amounts of Czechoslovak currency. In Poland, farmers have reportedly been selling more food, including basic

Mr. Pavel said that East Germany Poland and Hungary had retaliated against the new Czechoslovak restrictions by broadening curbs on what tourists from other countries can export. It was unclear whether Moscow would follow suit Czechoslovak state television, appar-

ently in an effort to explain the need for the measures, recently broadcast scenes from border crossing points to Poland where trains and cars were held up for as much as five hours while customs officials searched departing tourists' baggage personal items. In Warsaw last week, a Czechoslovak diplomat was called to the Foreign Ministry to hear a protest against the measure. It was unclear whether other governments had taken

مكذامن الأصل

Page 2

week to push for an easing of some United States restrictions that have inhibited trade first time in more than a decade, the prospect seems possible, even to longtime U.S. opponents of such relaxation. The restrictions deny special breaks on import duties and limit export credits and is expected to spark sharp debate, because ble. the issue has been tied up with human rights in the Soviet Union and, in particu-

lar, the question of the emigration of Soviet There has been no significant effort to liberalize these laws since the mid-1970s,

By Jonathan Fuerbringer

New York Times Service

Mikhail S. Gorbachev is expected this

NEW YORK - The Soviet president,

and the delicate politics involved could make it impossible again this year.

The Moscow-Riyadh Thaw

NICOSIA — Diplomats said Tuesday that a meeting between King Fahd of Saudi Arabia and a Soviet first deputy foreign minister was a step toward establishing ties with Moscow after 50 years of leading what some saw as an Islamic crusade against Communism. Diplomats said the meeting on Monday night between King Fahd and the Soviet official, Yuli M. Vorontsov at the royal palace in Biroth on Monday night was not manuscreat

Riyadh on Monday night was not unexpected.

Saudi Arabia, which diplomats said regards itself as the guardian of mainstream Moslem values, has been moving gingerly toward ties with Communist nations, partly spurred by what they described as disenchantment with Washington's pro-Israeli policies.

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control, progress in settling regional conflicts like the Afghanistan situation, Mr. Gorbachev's pursuit of change in the Soviet Union and a sharp rise in Soviet Jewish between the two countries. And for the emigration has clearly altered the atmo-

If there is a further increase in emigration next year and if the new Bush administration decides to meet Mr. Gorbachev halfway and then pushes the notion in loan guarantees. Any suggestion of change Congress, some breakthrough seems possi-

"We recognize that changes are taking place in the Soviet Union," said Myrna Shinbaum, the national director of the National Conference on Soviet Jewry, "and we will certainly begin to talk about Soviet

trade policy in that light." would be willing to put its toe in the water American exports to the Soviet Union, viet Union.

Gorbachev Is Expected to Urge Easing of Trade Restrictions But continuing improvement in relations and relax a little bit," said Representative mostly agricultural products, amounted to between Moscow and Washington on arms

Charles E. Schumer, Democrat of New \$1.48 billion in 1987 and \$1.9 billion York. He is a member of the House Bank-

But at the same time that the rise in emigration may aid the case for relaxing trade restrictions, the large spurt of commercial loans to the Soviet Union by allies of the United States has prompted questions about their impact on American national security. These new concerns, which have already produced a Senate resolution calling for a study of the issue, could limit significant action by Washington on ex-

Although almost any relaxation of trade restrictions would be a major coup for Mr. Gorbachev's efforts to change the Soviet economic system, the actual economic im-

through last August, while American iming Committee, which would consider ports from the Soviet Union amounted to some of the possible changes.

\$470 million in 1987 and \$387 million

> But the signal of support from Washington would be important, spurring American business executives to work out joint ventures with the Soviets and further encouraging U.S. allies, like West Germany, France and Japan, that are already offering major credit packages to the Soviet Union.

According to a cahle to Washington from the U.S. Embassy in Moscow, a Soviet trade official has said that Mr. Gorbachev was likely to push for changes in four

 Repeal of the limit on export credits "I think Congress, in a limited way, pact would not be immediately significant. for American companies selling to the So-

Soviet access to the United States stock and bond markets.

 A revision of the United States-Soviet tax treaty so that American companies involved in joint ventures with the Soviet Union can benefit from tax breaks that Moscow is expected to propose soon.

 An investment protection agreement to encourage more American companies to consider joint ventures with the Soviet

American business executives have been pushing for the liberalizing of the trade laws for some time, especially because their competitors in Europe and Asia get much more assistance and support from their governments. "We don't have a great deal of political encouragement from our gov-ernment," said James R. Giffen, the head of the American Trade Consortium, which is working on a major, six-company joint venture proposal with the Soviet Union.

WORLD BRIEFS

U.S. Gains Access to Israeli Account

LAUSANNE, Switzerland (Renters) — The Swiss Supreme Country granted U.S. investigators access Tuesday to the bank account of the Israeli arms dealer who acted as a middleman in the Iran-country accountry it said some bank documents would not be handed over become access the said some bank documents would not be handed over become access to the U.S. special recommendation. agreement signed this year between Israel and the U.S. special property

tor. Lawrence Walsh, who is investigating the affair. The court rejected an appeal by Jacob Nimrodi, a former issue intelligence agent, against a Swiss government order that lifted bent secrecy laws to let the United States examine his account with Configuration Geneva. It said Mr. Nimrodi had admitted that about \$1 million in Israeli funds had been transferred from his account to that the Lieutenant Colonel Oliver North, a former member of the U.S. National Security Council fired for his involvement in the affair.

Thatcher Scrambles to End Egg Row

LONDON (Reuters) — Prime Minister Margaret Thatcher the That day to defuse a dispute over British eggs that has emaged farmer and sparked calls for the resignation of the junior cabinet minister for head Three days after the minister, Edwina Currie, said that most being seen infected with salmonella bacteria, which can cause from poisoning, Mrs. Thatcher announced in Parliament that she had income on scrambled egg on toast, and enjoyed it.

Dozens of salmonella outbreaks have been linked to eggs this year blathealth and agriculture officials said that chances were alim of being poisoned by one of the nine billion eggs consumed annually in Russia.

Mrs. Currie said Tuesday that she had no regrets about her commenced and repeated her warning to shun raw eggs.

U.S. Delays Opening of Nuclear Plant.

WASHINGTON (NYT) — The reopening of the only U.S. industrial plant capable of processing plutonium for nuclear warheads will be delayed for at least two months while the government tries to dean medicades of accumulated plutonium dust, according to Energy Departs

The officials said it was now clear that the processing building af the Rocky Flats plant near Denver could not reopen until February. If had been scheduled to open on Dec. 1, but the department said flags as programs managing safety, health, and fire protection at the plant would be a second to take months longer to resolve.

Last week, the department said serious safety problems would delike.

the reopening of another plant crucial in the manufacture of incient bombs, the Savannah River Plant near Aiken, South Carolina-Thin postponement was the result of an engineering report that revealed safety, problems far more severe than previously acknowledged.

Kuwait May End Reflagging of Ships* KUWAIT (AP) - Kuwait indicated Tuesday that it might be ready to: end the operation that put U.S. flags on Kuwaiti tankers and precip

a buildup by the U.S. and other Western navies last year dur

"The reflagging was strictly a commercial deal, and I see no reason why we should not return the Knwaiti flag to the masts now that the reason for reflagging are no longer there," said the Knwait information minister. Sheikh Jaber Mubarak Sabah. Defense Secretary Frank C. Carlucci of the United States was to arrive in Kuwait from Riyadh Tuesday after visiting U.S. Navy units in the

As Troops Return to Bases, Alfonsin

Peruvian Attaché Is Slain in Bolivia LA PAZ, Bolivia (AP) --- Peru's naval attaché to Bolivia was killed by

gunmen Tuesday on a street in central La Paz, and a previously unknow extremist group claimed responsibility in a note left near his body, Sunday night, and loyalist army A man and a woman grabbed Captain Juan Vega Llona one block from troops were withdrawn from the

the Peruvian Embassy, and one of them fired three shots at his hear witnesses reported. Mr. Vega Llona died instantly.

The man and the woman immediately left the site and have not been found, the Ministry of the Interior said. A note left with the body signed by the Revolutionary Labor Movement said: "This is our word against the imperialists that day to day pretend to smother with blood the just struggles of the people. In response to these veins full of blood today w make justice, eliminating a bloody murderer of the people, naval attache Juan Vega Llona."

Seineldin said he was waiting for the army leadership to fulfill its For the Record... But shortly after midnight, the

during the first of three army rebel-lions faced by Mr. Alfonsin, has been viewed by many army officers Army officials said he would be President Rousld Reagan will hold a news conference at 8 P.M. chr Thursday, the White House announced Tuesday. It will apparently be his last formal such session and will be a day after his meeting in New York with the Soviet president, Mikhail S. Gorbachev.

Major General Windield Scott Harpe, 53, commander of the U.S. 16th Air Force, based in Spain, was killed Monday while piloting an E-It-lighter bomber that crashed in Spain during a routine training mission. Mr. Alfonsin said it was obvious

In Panama City, the opposition there were "anxieties" within the Christian Democratic Party U.S. officials said.

could ignore them." This concern, he said, was rooted in the low sala-supported Colonel Seineldin, who Dec. 13 under the 1987 U.S.-Soviet Intermediate-range Nuclear Forces treaty, U.S. officials said in Brussels on Tuesday. ries and the lack of money to repair the CDC says was a Noriega military adviser. The Associated Press

Paris Transit Union Rejects Offer

PARIS (AP) - The largest of seven transit unions in Paris rejected on Tuesday an accord with the city's transportation agency and said a three-week-old strike would go on. Three smaller unions said they would sign

The Communist-run General Confederation of Labor, which called the strike, said Tuesday that the proposed agreement did not meet its members' demands. Transportation remained a struggle for most people. on Tuesday. Buses in Paris were running at about 50 percent of normal service and the Metro system, depending on the line, was operating at from 30 percent to 70 percent. The main roads leading to the city were snarled with traffic.

Meanwhile, several Air France flights from Paris were canceled Tuesday because of a pay dispute between management and ground workers, and several Channel ferries were affected by striking port workers.

TRAVEL UPDATE

East Germany to Relax Travel Rules

BONN (Reuters) — East Germany plans to unveil detailed new emigration and travel rules, according to an internal Communist Party

The document outlined the rules and provided ideological ammunition for party officials who expect a flood of questions when the changes are ced in the middle of the month.

It said the plan would broaden some rules but it made clear that no one has an absolute right to travel. The rules extends the list of "urgent family matters" accepted as reasons for travel, such as weddings and special birthdays. They also specify who is eligible to emigrate. But catch-all clauses empower officials to stop doctors, teachers and other essential workers from visiting the West.

British Airways said Tuesday it would resume flights to Tehran now

that relations have been restored between Britain and Iran. (Renters).

Heavy snow in southern Germany caused chaos for rail and road travelers Tuesday. A Munich official said 250 people worked through the night to clear tracks but transport was normal until noon. (Renters)

Of Hong Kong, Is Dead

LONDON - Sir David Trench, 73, governor and commander in chief of the British colony of Hong Kong from 1964 to 1971, died Saturday in southwest England. The cause of his death was not made

During Sir David's seven-year tenure, Hong Kong experienced civil disturbances and a critical wa-

ter shortage aggravated by China's decision to halt supplies.

He had taken part in the campaign in the Solomon Islands dur-ing World War II and later worked in the British civil administration

He was transferred to Hong

Kong in 1950, where he served as ist who created mosaics and stained tary and commissioner for labor, in Stockholm.

and deputy colonial secretary be-fore being appointed governor.

Fernand Mourlot, 93, a lithographer who printed the works of artists such as Picasso, Chagall and Matisse, Sunday in Paris,

Luang Thansrong Navasawat, 87, the former Thai prime minister who played a key role in Thailand's

transition from absolute to constimuional monarchy 56 years ago, in Bangkok of a heart attack Sunday. Johany Paychek, 74, a boxer who fought Joe Louis in 1940 for the

world heavyweight championship, Saturday in Chicago. Einar Forseth, 96, a Swedish art-

financial secretary, defense secre- glass, after a lengthy illness Sunday

SUMMIT: Gorbachev Visit

(Continued from page 1)

tinuity in U.S. policy on issues like arms reduction and, perhaps, to be seeking greater trade with the Unit-

At a news briefing on Monday, Georgi A. Arbatov, a member of the Central Committee of the Soviet Communist Party, gave a pre-view of ideas that Mr. Gorbachev is expected to put forward in his speech to the General Assembly.

"We started off with a whole

concept of a world that we saw as a split one, full of contradictions that cannot be reconciled," said Mr. Arbatov, an expert on U.S. affairs who heads the U.S.A.-Canada Instimue of the Soviet Academy of

"Now we have come to the conclusion that with all its contradictions the world is one, unified and interdependent and extremely fragile and that this must be the basis

of our policy," he said. U.S. officials have said that they did not intend to make new proposals and would merely listen to what Mr. Gorbachev had to say.

New York, meanwhile, was brac-ing for what could be traffic chaos. The city police chief, Robert J. Johnston, said his biggest worry was that Mr. Gorbachev might decide to get ont of his limousine "and do his thing," shaking hands with people in the crowds, as he did in Washington last year,

During the visit, demonstrations are expected by groups supporting Soviet Jews, Armenians, Estonians, Ukrainians, Afghan guertillas, and anti-Castro Cubans.

Mr. Gorbachev and his wife, who will stay at the Soviet Mission to the UN, are to attend receptions for diplomats and prominent New Yorkers on Wednesday and Thursday evenings.

On Thursday morning, the Gorbachevs plan to open a Soviet trade exposition at the new Javits Center, and there is speculation among U.S. officials that this would provide the forum for new trade initia-tives from the Kremlin leader. by members of the armed forces for "vindication" of their conduct of tives from the Kremlin leader. Mr. Bush met Monday with Mr.
Reagan to discuss the Gorbachev decade ago, during which security meeting, and afterward told report- forces are presumed to have killed

tending as vice president. "I expect He said that it had been necesthey'll be aware they're talking to sary to wage a "fight that was al- armed forces and that "only a fool charged Monday that Panama's the next president." A State Department official said the nation's institutions. The cam-Secretary of State George P. Shultz paign was directed against various and Mr. Shevardnadze would meet lefust guerrilla groups that tried to

with New York. "It is undeclared internationalism," he said. "On Madison Avenue, I can see Picasso,

Giacometti, and Calder, Modiglia-

ni you can touch with your hands.'

Mr. Belkin said he hoped his country is nearing normal relations

ing everything." Gagik and Hovik Dilakian, 37

and 38, agree. The two brothers,

clothing designers, are the sons of

an Armenian movie actor. Hovik arrived in 1978. His brother fol-

Working out of Gagik's Colum-

bia student housing (Gagik is

learning English), the pair are mak-

ing whimsical scarves bearing sub-

way and street signs, and hat con-

fections that depict teapots, Pepsi

Cola, toasters, skyscrapers, water-

melons and hamhurgers. These

In New York, Hovik said, the

thirst for creative ideas is endless.

"It takes a foreigner to see every-

day things like a street sign" as an

they sell to small boutiques.

artistic inspiration, he said.

lowed nine months ago.

for an hour Wednesday.

EMIGRES: A Mini-Moscow

ers that although he would be at- 9.000 people in detention.

To See Sights (Continued from page 1) were arguing politics in New York The Associated Press

and waiting for revolution. NEW YORK — The Mikhail S. Gorbachevs, after the Soviet leader's lunch Wednes-Most debates among the Russians revolve around contemporary political issues: Is Mr. Gorbachev day with President Ronald sincere? Can be succeed? Reagan and Vice President Alexis Scherbatow, a "descen-George Bush, were scheduled dant of Rurik, the first ruling czar

for a little sight-seeing.
Mr. Gorhachev and his of Russia," and now heari of the Russian Nobility Association in America, said: "Emigres started talking about the Soviet Union wife, Raisa, were to visit the observation deck on the 107th floor of the World Trade Center following the Iuncheon meeting. A 45-car motorcade again; they became interested when Gorbachev came to power." Another Russian said: "Some was to take them past the New are apologists for Gorbachev, Most York Stock Exchange and are obviously critical; most are sinthen up to Times Square along cerely skeptical." Anatole Belkin, a 35-year-old artist, does pen-and-ink drawings

On Thursday, the Gorbachevs are to attend a Soviet of sometimes melancholy scenes of urban life in Moscow, hospital trade show at the Jacob Javits Convention Center before a rooms, communal apartments, and he paints oils of old buildings. His visit to Central Park and a lonk at the European paintings at the Metropolitan Museum works are displayed by the emigré gallery owner Eduard Nakhamkin. of Art. A spokesman for the city police department said that Mrs. Gorbachev might "I walk down the street and suddenly I hear, Tolya, how you do-ing?" he said. "It is absolutely incredible that I am here." visit a department store - but wouldn't say which one, or Mr. Belkin said he is enchanted

Business Aside, Gorbachevs Set

By Shirley Christian
New York Times Service

Raul Alfonsin expressed sympathy

Tuesday for some of the concerns

of army officers who rebelled in

recent days, and he put part of the

blame for the uprising on Argenti-

their hases on Tuesday.

The rebel troops returned to

In a speech before an agricultur-

al group, be seemed to be trying to respond to longstanding demands

most a war" to restore the power of

set off an insurrection.

BUENOS AIRES - President

(Continued from page I) lence, "including three service-

and replace equipment.

soldier gives a V sign from a tank Tuesday as troops return to base in Buenos Aires.

Notes Concerns of Rebel Officers

Mr. Alfonsin reiterated his state-

ment that no concessions had been

made to ohtain the surrender early

Tuesday of Colonel Mohamed Ali

Scineldin, leader of the rebellion.

predicted that the army chief of

staff, General José Dante Caridi,

would retire before Christmas un-

der a supposed agreement made with Colonel Seineldin during

General Caridi, who was appointed to his post in April 1987

and not aggressive enough in push-

ing traditional army prerogatives.

Mr. Alfonsin and General Caridi reported.

as too obedient to the president prosecuted by a military court.

ETHNIC: 3 Killed in Azerbaijan

weekend negotiations.

But people close to the military

gave no specifics.

More than 150,000 people have

left their homes in both republics since the violence began, officials said. Mr. Gorbachev and Prime Minister Nikolai I. Ryzhkov issued a statement, published on the front page of the government daily lzves-tia, warning officials in the two republics not to take actions that

force people to leave their homes. "Armenian and Azerbaijani officials allowing and conniving in the removal and deportation of people from their permanent places of res-

onstrations in Yerevan, Baku and other cities. Soviet tanks and troops are present in both capitals. onstrators to clear a city square.

Mr. Grigoryants, a former political prisoner who was released last The newspaper Socialist Industry reported that there have also his colleagues in Moscow that his troubles in Yerevan began on his troubles. Mr. Grigoryants was allowed to

gates of the Villa Martelli base that

agreements that may have been es-

tablished between the two sides; all

day Monday, the rebels continued

to occupy the base, and Colonel

■ Party Accuses Noriega

No indication was given of any

was the center of the rebellion.

call Moscow from a jail in Yerevan. Mr. Grigoryants said the jail was "filled" with people who had been "illegally arrested." **■** Estonia Tests Sovereignty The parliament of the Baltic republic of Estonia exercised its new-

ly declared sovereignty for the first time Tuesday by banning further industrial development in an ecologically devastated area, The Associated Press reported. The law bans expansion of minidence for national reasons" would ing or other polluting industries in be punished, the statement said. It northeastern Estonia, which has

also called on officials in both regions to quell lawlessness.

The conflict, which centers on the control of the region of Nagorno-Karbakh, has led to mass demonstrations in Vacanta Baku and The law aute the Estonian Greens movement. The law puts the Estonian gov-

ernment in direct conflict with the Moscow ministries that run the In Baku, official sources said Tallinn paper mill, the Viru power troops fired over the heads of dem-plant and the Maardu chemical

BUSH: The Economic Jobs at the Top Are Now Filled Sir David Trench, 73,

with the West, but pointed out that the situation is fragile. "Each day I wake up afraid. Gorbachev is risk-

• Mr. Webster, 64, who was gan to head the CIA in 1987, previously had served as director of the FBI for nine years.

the UN post, would not hold cabinet rank because it should be an intelligence-gathering, not policy-making post. Amid speculation that Mr. Webster was being held over only temporarily, Mr. Bush said his tenure in the post was "open-ended."

countries and investigates com- mer Republican senator from Texplaints of unfair trade practices. as Mr. Bush said that he had seen The commerce secretary enforces nothing that would disqualify Mr. trade policy and seeks more markets for U.S. goods, and serves as a voice for U.S. husiness within the

(Continued from page 1)

The commerce secretary also said in New Hampshire that as oversees one of the government's many as five senior officials of the most varied agencies ranging from the National Weather Service to new secretary, could be named as a named by President Ronald Rea- the Census Bureau to the National Bureau of Standards. Mr. Mosbacher, Mrs. Hills and

Mr. Boskin will join Mr. Bush's Mr. Bush said the CIA job, like choices of Nicholas F. Brady as Dole, former transportation secre-Darman as budget director in completing the main group that is to advise the president-elect on economics after he assumes the presidency Jan. 20.

Among the important posts left to fill is that of secretary of defense. a post, said, "I did not." The trade representative negoti- and Mr. Bush again offered words Tower for that post.

package team when the group is worked out. Before the announcements, Bush

also met with Elizabeth Hanford Treasury secretary and Richard G. tary and wife of Bob Dole of Kan-An aide to Mr. Bush said the president-elect asked Mrs. Dole

what posts she might be interested in, but made no joh offers. Mr. Bush, asked if he offered Mrs. Dole Among the tasks facing the new

ates trade agreements with other of praise for John G. Tower, a for- secretary will be implementing the new free-trade agreement with Canada, already approved by the United States but awaiting Canadian ratification. Mr. Bush during his On the defense team, Mr. Bush's campaign said he would like to see designated chief of staff, Governor a similar pact negotiated with Mex-John Sununu of New Hampshire, ico.

New Fauli and Double Char W Sandra Blakeslee By Should in our sold inding the name of the limit of of the limi

IN ANGELES 1: 3 (Inding d'somble (allier lais. general la lais der lais der la lais der la lais der la

It and sected includes the Wilshire the Wilshire origin. Bevery Hills. position and a complex of column and power unities near white Oran.

the description among geological relations among geological relations among geological relations among as half of all the geological relationships are sense as a sense of the See 105 Angeles area may Mary me and have yet single to see the second and have yet seemed presumably dought in that a devastating it is that a devastating it is that a devastating it is that area said Don a second director of the seismole second director of the s the actual risk. be design officials, who have

per order of the new fundings for the sid that in their planning the sid that in their planning the side or or or order in the long anacipated the posin a such an event. They said is haples residents should not leady alarmed by the discovery definits. has the region's previously in the suits which produce feasimils are in the basement

and a research assistant proand grophysics at the Univerit Hanksson described the bis being 6 to 10 miles (10 to (hinters) beneath the streets

his the first evidence that the st unjoy buried (aulis be-mila, Mr. Hanksson said in mentionies, "Before, we had eriginit locally, the Newport-Mendfult and new we have

Ir Sm Andreas fault, estimatwheta 60 percent probability demong a catastrophic earth-man Suthern California withthe Byears, lies 30 or more about and east of the Los ink muopolitan area. The te tenes faults in the unimeselatedes area, is relieved mild mining a much more em esiguake

time believe the newly disand into will cause serious salmis much less frequently hate San Andreas fauit.

ideal Andrews, deputy direc-Mile Office of Emergency Serm their responsible for oversantquake planning to Helm Angeles area should not But officials were unpremin tope with potential dan-

points the new faults. houndess, in earlier written on essoic hazards. Mr. 19 and others have noted is this lying close to densely O swandarcas posed special risks. It has warned for example, track Newport-inglewood fault, and think purious for any angular standard for example. hair surface fracture running

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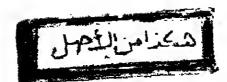
By Ronald Smothers CHARLOTTE North Carolina band Jin Bakker, the former k at have been indicated on charges being as many as 150,000 contributions many as 150,000 contributions. the more than \$4 million for the

The Mount indicament, returned by U.S. district court, charges Mr. at the lorner aide, Richard Dort begins appeals for money fre According to the indicament, the traditional members in soliciting contributors are

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izeriand (Reviers)—The Swiss Superior access Tuesday to the bank access Tuesday to the bank access a caiddleman in the limit acceptance would not be handed over the system terween Israel and the U.S. specific constituting the affair.

syear cerween Israel and the US a Mixer worm, a corner memor in the affair,

Opening of Nuclear)

lie deep underground and all to be discovered, presumably doubles the risk that a devastating bles the risk that a devastating earthmake will eventually occur in

State disaster officials, who are the protection at the been aware of the new findings for soid that in their planning

Unlike the region's previously known faults, which produce features on the Earth's surface, the new faults are "in the basement" and have no visible features at and have no visible teamles and have no visible teamles are ground level, according to Egill Hanksson, a research assistant pro-

faults as being o to to make the streets le kilometers) beneath the streets of Los Angeles.

one big fault locally, the Newport-Inglewood fault, and now we have La Pin and a previous three." The San Andreas fault, estimat-

ed to have a 60 percent probability of generating a catastrophic earthin in the wife diet eistente.

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Andrews and others have noted that foother have noted

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ORLD BRIEFS New Faults Increase Access to Israeli Access to Israeli Access Tuesday to the Swiss San Risk of L.A. Quake

Rifts, One Under Dodger Stadium, Could Double Chance of Disaster

By Sandra Blakeslee New York Times Service LOS ANGELES — In a finding

that may unsettle the nerves of mil- a larger earthquake on the more lions of Southern Californians, ge-

the mine billion seed in the Pacific Ocean.

The discovery, along with the product that she had no regrets about he gradual realization among geologies that as many as half of all the faults in the Los Angeles area may lie deep underground and have yet to be discovered, presumably doubted. bles the risk that a devastating carring of the only life the metropolitan area, said Don Anderson, director of the seismology laboratory at the California Institute of Technology. Scientists do the proposition area, said Don Anderson, director of the seismology laboratory at the California Institute of Technology. Scientists do the proposition area, said Don Anderson, director of the seismology laboratory at the California Institute of Technology. Scientists do the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the proposition area, said Don Anderson, director of the seismology and the se not know enough about the processing better to calculate the actual risk.

State disaster officials, who have

State cases of the new findings for been aware of the new findings for photocological states and the manufacture of the new findings for the new findings fo

fessor of geophysics at the University Name of Southern California.

the Kuwah flag to the mass now hat Mr. Hanksson described the faults as being 6 to 10 miles (10 to faults as being 6 to 10 miles (10 to

This is the "first evidence that there are major buried faults be-neath L.A.," Mr. Hanksson said in Mache Is Slain in Boll a recent interview. Before, we had

diske in Southern Cantornia winds in the site side adds.

This work and east of the Los Angeles metropolitan area. The San Andreas, which is much larger than the various faults in the immediate Los Angeles area, is believed capable of producing a much more powerful earthquake.

Scientists believe the newly discovered faults will cause serious carthonakes much less frequently than the San Andreas fault.

Richard Andrews, deputy director of the Office of Emergency Services vices, who is responsible for over-seeing earthquake planning in Southern California, said residents of the Los Angeles area should not worry that officials were unpropared to cope with potential dangers from the new faults.

Nevertheless, in earlier written reports on seismic hazards, Mr. mat tantes rying close to densely populated areas posed special risks.

They have warned, for example, that the Newport-Inglewood fault, a 40-mile surface fracture running hoods, could rupture gas lines and lead to a fire-storm that might kill and injure more people than would distant San Andreas fault.

from Newport Beach, under the oil fields at Wilmington, under Long Beach and San Pedro, beneath Palos Verdes and Torrance and out into Santa Monica Bay, Mr.



Paul G. Kirk Jr. declaring he is leaving the Democratic party post.

Democrats Begin Battle for Leadership

By E.J. Dionne Jr.

New York Tunes Service WASHINGTON - Paul G. Kirk Jr. has announced that he will not seek another term as chairman of the Democratic National Committee, setting off a battle over who will lead the party for the next four years.

Mr. Kirk, who was urged to stay by Democratic leaders from all wings of the party but that led by the Reverend Jesse L. Jackson, made his announcement at a Washington news conference where he attributed his decision to personal factors involving family and career. "It is written in Scripture that

there is a season and a time for every purpose under heaven," be said. "Those lyrics capture the spirit of this announcement."

The announcement set off a season of competition for Mr. Kirk's joh. Democrats fear a racially charged conflict between moderate-to-conservative Democrats and Mr. Jackson's supporters, most of whom are backing Ronald H. Brown, a Washington lawyer who has long been acrive in the party.

decision "makes it much more dif- may be interested in the job. ficult to arrive at a choice without some bloodshed." He added: "Paul was my candidate."

At the moment the candidates for the job are Mr. Brown; Richard N. Weiner, the Michigan Democratic state chairman who could draw backing from many state chairmen; former Representative Jim Jones of Oklahoma, the top moderate-to-conservative contend er, and former Representative Michael Barnes of Maryland, a bberal who was closely associated with Michael S. Dukakis's.

Former Representative Jim Stanton of Ohio, who has some support from organized labor, has also expressed interest in running. But now that Mr. Kirk has with-

drawn, Democrats said even more names are likely to surface before the Democratic National Committee votes on a chairman Feb. 9 and

One name being mentioned Monday was that of former Senator Birch Bayh of Indiana, a popu-

Many Democrats had urged Mr. Kirk to stay on to avoid the political twists and turns that choosing a

successor would entail. A friend and once a top aide of Senator Edward M. Kennedy of Massachusetts, Mr. Kirk was originally opposed by party conserva-tives who thought of him as too liberal. But he proved to be a pleasant surprise for moderate and conservative Democrats.

After his election in 1985 he put an end to the special-interest caucuses in the national committee and the mid-term miniconventions, which conservatives felt amounted to no more than liberal talkfests. He persuaded organized labor not to endorse a presidential candidate before the convention and re-

tests" for candidates. He was also credited with substantially improving the party's fi-nancial standing and its use of technology, which had long lagged behind those of the Republicans.

peatedly attacked liberal "litmus

Texas, the party's vice presidential Nathan Landow, a Democratic are increasingly impatient with his candidate this fall, said Mr. Kirk's fund raiser, has also told friends he decision "makes it much more dif-

Mr. Brown, who is black, served as a deputy chairman of the Na-tional Committee and as a top official of Senator Kennedy's 1980 campaign. When he finally joined the Jackson campaign as convention manager last spring, party regulars, including Mr. Kirk, saw him as a force for party unity within Mr. Jackson's disparate coalition.

"I am concerned about the fact that some of the people who were urging me to go to Jesse Jackson and were so pleased about my doing it are now saying that my big-gest impediment is that I was associated with Jesse Jackson," Mr.

Brown said Monday.

The triple irony is that when I went to the Jackson campaign, there were a lot of people there saying that I was too much of a party guy," he added.
Mr. Wiener's advantage is his

role as president of the Association of Democratic State Chairs, One Democrat, reflecting the view of others, said that Mr. Wiener might Mr. Brown and his supporters date." emerge as "low-key unity candi-

Michel Assails House Record on Ethics

By Tom Kenworthy

Washington Post Service
WASHINGTON — Calling the House's record in policing ethical abuses a "national disgrace," Robert H. Michel, the House minority leader, has called for a broad-based reform movement, including changes in campaign financing and a ban on the acceptance honoraria by lawmakers.

Mr. Michel's comments, which were widely viewed as directed at Jim Wright, Democrat of Texas and the House speaker, came as both parties elected their House leadership teams for the 101st Congress. The Democrats selected Representative William H. Gray 3d of Pennsylvania to be chairman of their party's cancus after a bitter three-way race, making Mr. Gray the first black House member to win a leadership post.

Mr. Gray, who served for the past four years as chairman of the House Budget Committee, defeated Mary Rose Oakar of Ohio and Mike Synar of Oklahoma on the first ballot in the race for the fourth-ranking leadership position.

Three other Democratic leaders were reelected without opposition. They were Mr. Wright; Thomas S. Foley of Washington, the majority leader, and Tony Coelho of California, the majority whip. Steny H. Hoyer of Maryland became the first lawmaker from his state to win an elected leadership post when he was chosen vice chairman of the canens. On the Republican side, Mr. Michel, of

contra affair who was killed in a

Mexican and Israeli authorities.

ed as one of Lieutenant Colonel ceru.

Illinois was re-elected minority leader and Dick Cheney of Wyorning was chosen minority whip, replacing Trent Lott of Mississippi, who was elected to the Senate last month.

Republicans also elected Jerry Lewis of California to chair their conference, or caucas. He narrowly defeated Lynn M. Martin of Illinois for the third-ranking Republican post, formerly beld by Mr. Cheney, winning by three votes on the second ballot after a third candidate, William E. Dannemeyer of California was eliminated on the first ballot.

As they met Monday, Republicans adopted an aggressive posture toward a Democratie Party that has controlled the House since 1954, reflecting the ill-will many of them feel toward Mr. Wright and his leadership style. Mr. Michel, for example, urged his colleagues to "let Jim Wright know that this is our House, too," and let President-elect George Bush "hear the sweet sound of good, hard pobtical combat" from Capitol Hill. Mr. Michel's comments on congressional

ethics were seen as a challenge to Mr. Wright, whose financial dealings have been under investigation by the House ethics committee Mr. Michel also said he would support a Democratic challenger to Mr. Wright's elec-tion to the speakership by the whole House in

January as long as it was not "frivolous or A Republican aide said Mr. Michel's sup-port for what he called a "coalition speaker"

Israeli in Mexico on Business, Aides Say

Wright feeling among Democrats, although the aide conceded that it was unlikely that a credible challenge to the speaker would emerge.

The call for ethics and campaign reform by Mr. Michel was particularly pointed and represented another escalation in his public criticisms of Mr. Wright

In his speech accepting re-election as Re-publican leader, Mr. Michel said, "The reputation of this institution has been smeared by members who blatantly break our rules and mock the institution's inability to enforce a penalty."

"This institution frankly needs reform," he said. "We need true, bipartisan reform comprehensive enough to cover the waterfront from abuses of the frank to campaign finances, and tough enough to stand the challenges of partisan treachery."

Though be endorsed Mr. Michel's call for campaign finance reform, Mr. Wright scoffed at the Republican leader's characterization of a House badly in need of an ethics overhaul, calling most members "decent and responsi-

In calling for an honorarium ban linked to higher congressional pay, Mr. Michel joined a movement now supported by many con-gressional leaders, including Mr. Wright and the newly elected Senate majority leader, George J. Mitchell, Democrat of Maine.

Koch-Trump Feud Gets a Refueling

By Howard Kurtz

NEW YORK - Developer Donald J. Trump is considering spending \$2 million on television advertisements in which he would urge New Yorkers to oust Mayor Edward L. Koch, according to sources familiar with Mr. Trump's

Such a campaign would exacer-bate the fend between the two and add a new element of volatility to the Democratic mayor's 1989 re-

Mr. Trump believes his credibility is at its peak and is determined to be a major force in the mayoral race, sources said, adding that he thinks he can be most effective by bankrolling a campaign in which he speaks directly to the camera. Mr. Trump declined to comment on his plans for the 1989 race.

Mr. Koch said that any such attacks would have little impact on the Democratic primary next September. "It would probably add to my vote," the mayor said. "I don't think people like him."

There is little love lost between the two. Mr. Trump's terms for the mayor have included "jerk," "loser" and "idiot." He has called him "incompetent." "a piece of gar-bage" and "the worst mayor in the history of the city." Mr. Koch has applied "greedy," "piggy," and "lightweight" to Mr. Trump, who be says is a man determined to

"stroke his own ego."
While Mr. Koch's political fortunes have ebbed during the last year, his antagonist's renown has reached new heights. Among other things, he has a best-selling autobiography ("Trump: The Art of the Deal"), he bought the Eastern Airlines shuttle operations for \$365 On Sunday, The Washington million and he became an adviser

boxing champion.

Mr. Trump, a Republican, would be comfortable supporting several of Mr. Koch's Democranc rivals him a tax abatement for condominthat Mr. Koch is an incompetent.

Mr. Koch suggested that Mr. Koch suggested that Mr. Trump is motivated by selfishness.

Mr. Irump boasted in ms of Ed that he "beat the hell out of Ed that Mr. Koch" by successfully suing the city over a \$40 million tax break denied for the Trump Tower.

but has no plans to make an endorsement, the sources said. In the Mr. Trump boasted in his book

What put the Sir in Sir Walter Scott?

It has been commonly assumed that Sir Walter Scott was given his knighthood for services to literature.

However, there is a school of thought which is puzzled by his constant publicising and praising of The Glenlivet single malt whisky. It is mentioned frequently in his writings. The Glenliver* was also the

Monarch of that time's favourite whish. It was said "he would drink nothing else". Is there a connection

between these two facts and his knighthood? I believe we should be told.

The Glenlivet® 12 years old single malt whisky.

Oliver L. North's main gobetweens in the Reagan administration's arms-for-hostages negotiations with Iran in 1985 and 1986. Mr. Nir died Nov. 30 when the with a price list and said he would said, "He's dead, so I can't ask him to be the case," Mr. Mey-Ami said when asked why Mr. Nir was using at the same question, Mr. Arriaga with a price list and said he would said, "He's dead, so I can't ask him to be the case," Mr. Mey-Ami said when asked why Mr. Nir was using the same question, Mr. Arriaga with a price list and said he would said, "He's dead, so I can't ask him to be the case," Mr. Mey-Ami said when asked why Mr. Nir was using the said and the same question, Mr. Arriaga with a price list and said he would said. through many populated neighbor-Cessua T-210 in which he was trav-be back in a week." why, can I?" TV Preacher Indicted for Bilking Contributors

ously injured.

plane crash in Mexico last week Investigations conducted by fed-

was in the country in connection eral judicial and civil aviation auwith a private business transaction thorities are continuing. But José
to buy avocados, according to Luis Arriaga, a federal judicial po-

Mexican and Israeli authorities.

They said Monday that he was not in Mexico as a representative of the Israeli government.

lice commander in the town of Uruapan, said preliminary information indicated that Mr. Nir had gone to Michoacán to discuss the

The former official, Amiram Nir, purchase of avocados from the lo-

was an anti-terrorism adviser to cal subsidiary of an international

two Israeli prime ministers and act- fruit and vegetable exporting con-

By Ronald Smothers

Reverend Jim Bakker, the former leader of the PTL television ministry, and a former aide have been indicted on charges of de-frauding as many as 150,000 contributors and diverting more than \$4 million for their per-

making bogns appeals for money from 1984 to 1987. According to the indictment, the two men deliberately misled contributors and PTL

board members in soliciting contributions

New York Times Service CHARLOTTE, North Carolina — The

The 24-count indictment, returned Mon-day in U.S. district court, charges Mr. Bakker and the former aide, Richard Dortch, with

Mr. Bakker resigned in March 1987 as president of the ministry after admitting to a 1980 sexual encounter with a church secre-The indictments charge both Mr. Bakker, 48, and Mr. Dortch, 57, his senior vice presi-

dent at PTL, with 24 counts of mail fraud, wire fraud and conspiracy.

A separate, 11-count indictment charged a former PTL vice president, David A. Taggart, and his brother, James H. Taggart, with directing about 11 million from the wind in the country of the

verting about \$1.1 million from the ministry for personal use and failing to report the income to the Internal Revenue Service. The charges against Mr. Bakker and Mr. Dortch revolve around efforts to raise funds

amounting to over \$158 million that were not used for the intended purposes. to construct the ministry's planned, 2,300-acre (930-bectare) Heritage USA theme park in Fort Mills, South Carolina.

aboard the plane using the alias Pat Weber, and his true identity was established only after the crash.

"I don't know why that should

The solicitations in television appeals, mailings and telephone calls sought "lifetime partners" who would pay from \$1,000 to \$10,000 for the guarantee of free lodging once. a year at Heritage USA.

According to the indictment, the funds went toward lavish bonuses for Mr. Bakker and his wife. Those bonuses ranged from \$740,000 in 1984 to \$1,055,000 in 1986 when the show's popularity was at its peak. In that same period, Mr. Dortch received bonuses totaling \$550,000.

Mr. Bakker and Mr. Dortch have denied

ding went down in the state of An Israeli Embassy spokesman white House Denial

Mex York Times Service

Michoacan. The pilot of the singledenied published reports Monday
that Mr. Nir was in Mexico to suthat Mr. Nir was in Mexico to suthat the Reagan administration
that the Reagan administration
had an agreement with the Israeli the Mexican government by Israel. government to conduct joint covert anti-terrorism operations abroad, "It's completely not true," said

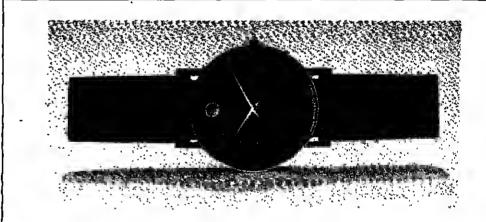
Israel Mey-Ami, who was sent to The New York Times reported. Michoacán to recover Mr. Nir's Post reported that an agreement for to Mike Tyson, the heavyweight oint operations was reached in In Uruapan, Mr. Nir registered 1985 and that details of the accord had been related by Mr. Nir. at a hotel under his real name, the authorities said. But he traveled

The president has never executed any umbrella agreement or accord such as the one described in The Washington Post article on Sunday," said Marin Fitzwater, the White House spokesman.



at the Palace.





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Page 4

Herald Cribune.

Israel Off Course

A month ago - or was it a year? - the Israelis held elections and decided, well, nothing. The voters gave the two big parties almost exactly the same number of Knesset scats and scattered the other seats, the ones that either Likud or Labor would need to form its own government, among the small religious and far-right parties. Likud's Yitzhak Shamir, the prime minister, got the president's first bid to form a government, but could not do it either with the small parties or with Labor. On Monday he was given another three weeks.

Government-making in parliamentary democracies is often raw, but Israel's performance in the last month has been extraordinary. Immense cynicism has been shown by figures from whom statesmanship is expect-ed on the international level. Not many foreigners, we surmise, realized the pettiness, virulence and feudal character of the considerable part of the Israeli spectrum to rightist Likud's right. Nor was it understood how ready were the major parties both of them -- to take partners of convenience from that part of the spectrum.

In extending Prime Minister Shamir's time to form a government, President Chaim Herzog voiced "shame" over the proceedings. He urged Mr. Shamir to make

a government with Labor and at once to institute the reforms necessary to keep the miniparties from whipsawing the majority. American Jews have special reason to endorse President Herzog's words: to head off the prospect that the far right will be rewarded with a law that degrades the religious integrity of the more than 90 percent of their number who are not Orthodox Jews.

But there is also a broad, entirely secular American interest at play. As Abba Eban, the Israeli statesman, has pointed out, Mr. Shamir is the only prime minister in the world who has rejected United Nations resolution 242. This is the essential and otherwise universally accepted land-forpeace negotiating formula that even the PLO has now formally accepted, although the quality of its commitment remains to be demonstrated. Whatever confirms Likud's annexationist bent - and an alliance with the small parties certainly does - puts the United States and Israel on a collision course on the most important question lying between them, the peace question. Whatever dilutes Israeli annexationism and draws Israel toward the peace table is in the American interest, and there is no reason to be bashful about stating it.

- THE WASHINGTON POST.

Research Roulette

The United States pioneered television, VCRs and computer chips, but in 1986 it imported more high-tech products than it sold abroad. High-definition television will be the next major advance in consumer electronics, but Japanese and European companies are poised to divide the vast American market between them.

To the peril of its defense and its standard of living, America's grasp of technology is slipping dangerously. Vice President George Bush expressed interest in science policy during the campaign. He has few more pertinent tasks than to stem the erosion of America's technological pre-eminence, The principal damage has been done by

Ronald Reagan's disastrous experiment with the economy, The high dollar made American products harder to sell abroad, and the high cost of capital made long-term investments, like research and development, less profitable. But economic conditions are not the whole story. When those conditions are remedied, America cannot resume making VCRs or computer memory chips if there are no companies left to sell them, or if its consumers believe that Japanese products are of higher quality.

The United States still leads in research spending. In 1988, industry and government each invested \$61 billion in R&D. But two-thirds of the federal share went for military research. Pentagon procurement once helped commercialize jet aircraft, computers and computer chips, but the recherche technologies of today's weapons seem to have less commercial relevance.

The \$19 billion that goes for civilian research is too little and too carelessly spent. Civilian R&D spending has been stuck at about 1.8 percent of GNP for two decades. Meanwhile, rivals have steadily increased theirs - Japan to 2.8 percent, West Germany to 2.6 percent.

Each federal agency follows its own agenda. NASA is sinking \$3.5 billion this year into projects like its cherished space station. This antique technology will keep the NASA circus flying but does little for industry. The Department of Energy plans a \$5 billion atom smasher, even though it promises few commercial spin-offs and will rob funds from physics research of greater relevance.

Why does America's research policy remain so incoherent, while Japan targets one high-tech industry after another and wrests

dominance from American competitors? Because American economists believe that governments rarely improve on the wisdom of the marketplace. As they note, federal attempts to support particular industries typically lead to fiasco. They cite disasters like the \$4 billion nuclear breeder reactor program, canceled in 1983; the crash synfnels program of 1979; the Department of Ener-gy's horrendous miscalculations in commercial uranium enrichment plants.

But the absence of an industrial policy is a policy, too, and one result is that America's best scientists and engineers are lured away from industry and into glamorous government defense and space projects. Japan, by contrast, concentrates its scientific and engineering talent in industry.

The Japanese government also supports industry so as to reduce the risk of high-tech ventures, and runs a high-saving, high-in-vestment economy designed to furnish industry with cheap capital. Those are critical inducements to improving productivity. If the American economy offered such cheap capital and incentives for investment, there would be much less nervous worry about Japanese gains at American expense.

Even so, there may be good reason to foster key industrial technologies. Recent Pentagon support of Sematech, a consortium to advance the manufacture of computer chips, is an example that stops short of second-guessing the market. It may be worthwhile for Washington to create an organiza-tion to conduct limited, careful experiments to see which criteria make sense in deciding when to support one project over another.

There are also other steps to consider, like better tax incentives for R&D. As the Council on Competitiveness recently noted, some of the 700 federal laboratories are not pulling their weight and need to be shut down. Many government activities affect technology, but no one is shaping them to ensure that the effect is positive.

appoint a science adviser he would listen to. But he needs more than a narrow advocate of more university research. There is a large er mission here: to escape past doctrine, coordinate precious scientific resources and shrewdly test ways for government to foster industrial innovation - without usurping the free market's better judgment.

- THE NEW YORK TIMES.

Other Comment

A Specter Haunts the Empire

A specter is haunting the Soviet empire: the specter of nationalism. Although the im-mediate causes of the unrest in the Baltic, the Caucasus, in Kazakhstan and elsewhere vary from place to place, they all derive ultimately from the suppression of nationalistic aspira-tions. Mikhail Gorbachev has yet to formulate a clear policy for dealing with the nationality problem even within the Soviet Union, let alone in Eastern Europe, where by all appearances Moscow can sooner or later expect the same kind of turmoil. Unfortunately, experience has shown that upheavais in the eastern part of our continent benefit no one. Both for East-West relations and for the East European peoples concerned, they have brought only painful setbacks.

— Neue Zürcher Zeitung (Zurich).

Argentines Can Take Heart

Apparently some Argentine officers simply refuse to accept the lesson that the last junta's experience should have taught them: that even the most powerful faction cannot govern effectively for long without genuine public support. And for now the people of Argentina remain on the side of civilians like Raul Alfonsin. If Argentina can hold the election scheduled for next year, Mr. Alfonsin will be the first civilian president in 50 years to hand power to another civilian.

Of course, Argentines can hardly be faulted if they are growing weary over the constant tension between their weak civilian government and the military. But if they

need inspiration they need only look to Ven-ezuela, which held peaceful elections the same day Mr. Alfonsin persuaded the rebeltions army units to lay down their arms. - The Los Angeles Times.

Bhutto Against the Odds

Benazir Bhutto's cabinet has been sworn in and now she can put her moderate policies into practice. Although facing many difficul-ties, the Bhutto administration must fulfill the people's desire for a new era of stability and democracy. The economy is being hurt by a sharp drop in remittances from Pakistani workers in the Middle East. The population is growing at a rate of 3.1 percent. addition, there is the problem of Afghan refugees. What will happen in Afghanistan will depend on efforts by Prime Minister Bhutto to resolve the conflicting interests of the Afghan guerrilla factions.

- Yomiyai Shimbun (Tokyo).

Miss Bhutto was born after, and Prime Minister Rajiv Gandhi just three years be-fore, the bloody partition of 1947. Pechaps their generation can heal their parents' and grandparents' rift. Better relations between India and Pakistan would enable them to muster more resources against the domestic poverty that is crushing each. That is only one of the many hopes greeting Miss Bhutto. Her greatest problem may not be the hostility of her enemies but the expectations of her well-wishers, which may be more than a civilian prime minister of Pakistan can fulfill.

- The Baltimore Sun.

INTERNATIONAL HERALD TRIBUNE JOHN HAY WHITNEY, Chairman 1958-1982

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International Herald Tribune, 181 Avenue Charles-de-Ganlle, 92200 Neuilly-sur-Seine, France, Tel.: (1) 46.37.93.00. Telex: Advertising, 613595; Circulation, 612832; Editorial, 612718; Production, 630698.

Directeur de la publication: Walter N. Thayer. Directeur de la publication; Walter N. Thayer.

Editor for Asia: Michael Richardson, 5 Canterbury Rd, Singapore 0511, Tel.472-7768. Th: RSS6928

Editor for Asia: Michael Richardson, 5 Canterbury Rd, Singapore 0511, Tel.472-7768. Th: RSS6928

Managing Dir. Asia: Malcolm Glevn, 50 Goucester Road, Hong Kong, Tel. 5-8610616. Telex: 202009

Managing Dir. U.K.: Robin MacKichan, 63 Lang Acre, Landon W.C., Tel. 836-4802. Telex: 202009

Managing Dir. U.K.: Robin MacKichan, 63 Lang Acre, Landon W.C., Tel. 836-4802. Telex: 202009

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Managing Dir. U.K.: Robin MacKichan, 63 Lang Acre, Landon W.C., Tel. 836-6402. Telex: 202009

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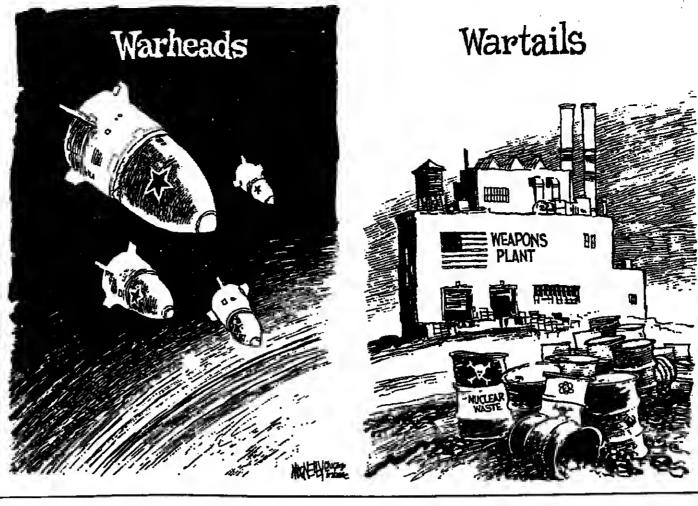
Managing Dir. U.K.: Robin MacKichan, 63 Lang Acre, Landon W.C., Tel. 836-6402. Telex: 202009

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Mediterranean: The Crunch Has Barely Started

By Giles Merritt

If Treaties Are a Bad Joke, So Is Arms Control

WASHINGTON — In calling the use of poison gas in the Iran-Iraq war an "ominous terror" that has jeopardized the "moral and believe that the international community can deal believe that the international community can deal the law courts of third countries — although it is

more effectively with the illegal possession of

those weapons. Simply put, such a treaty cannot

reasonably be expected to bring about the climina-

In a closed society, chemical weapons would

be ridiculously easy to manufacture and store

secretly. Chemicals can be militarily significant

even in quantities small enough to be stored in

one medium size industrial warehouse. And even

if a country did not actually maintain stocks, it

could, in preparation for a war, produce an offensive capability in a matter of weeks.

Not even a highly intrusive verification regime would afford the U.S. government reasonable confidence that it could detect illegal production or

storage in the states of greatest concern to it.

Some have argued that a comprehensive ban would be a salutary symbol of the civilized world's rejection of chemical weapons. But the value of this symbolism would be far outweighed

by two factors: first, the increased risk that U.S.

forces would be attacked with poison gas if an

ineffective ban deprived the United States of a

chemical retaliatory capability; second, the de-basing of international law if such a ban were not

truly verifiable and not diligently enforced.

The Bush administration could do good by

focusing the world's arms control forums on the

tion of all chemical weapon stocks.

C AIRO — The pyramids at Giza are crumbling, and chunks of stone have been falling from the Sphinx. Before the end of this centulieve that from 100 million this year ry, pollution may have destroyed half of Egypt's fabulous antiquities. Car exhaust fumes are eating away at statues and tombs that have stood since the days of the pharaohs.

These ills are symptomatic of a disease ravaging the whole of the Mediterranean. The damage being done by tourism and economic develcoment is threatening to outweigh the benefits. Last year one million tourists visited Egypt; by 1990 the number probably will quadruple. The poverty-stricken Egyptian economy badly needs their business, yet the tourism boom is helping to destroy

the attractions that bring tourists.
On the Greek island of Rhodes last month, a meeting of tourism experts convened by the Organization for Economic Cooperation and Develop-ment heard how Mediterranean holiday resorts are fouling their own nests. They also assessed the millions of new jobs that tourism will bring, and agreed that the problem is urgent,

legal strictures that have held these weapons in

check since World War I," President Reagan

understated the point. The Iraqi gas attacks not

only violated the 1925 Geneva protocol banning

chemical warfare, they mocked the very idea of

controlling armaments and warfare through trea-

ties. More broadly, they challenged the concept of international law itself, the first principle of

Policymakers argue that the Iraqi gas attacks

have made it imperative to finish negotiations at

the Geneva conference on disarmament on a trea-

ty calling for a comprehensive ban against chemi-cal weapons — that is, banning their possession as well as their use. But why should we produce new

treaties if we can't solve the problem of upholding

the integrity of existing treaties?

The gruesome evidence of death and disfigure-

ment wrought by the Iraqi attacks has been con-

firmed by investigators of unquestioned credibil-

ity. But the international community has taken no

action to penalize Iraq for violating its treaty obligations. Neither the United Nations, the Ge-

neva disarmament conference nor any other mul-

tilateral forum in which new arms control treaties

are championed has figured out a way to impose

costs on states that openly violate such treaties.

Indeed, no forum is even working on the problem.

which is that treaties must be obeyed.

the number of tourists in the area will reach 400 million a year by 2025, perhaps as many as 750 million.

That is alarming, but other aspects to the Mediterranean's outlook make

the blood run cold. By 2025 the population of the countries around the Mediterranean will have exploded from the present 360 million to 550 million. The growth will be largely in North Africa and the Middle East; both Egypt and Torkey will have doubled in size to more than 100 million. The strains will be appalling. The plagues of famine and pestilence that

beset biblical Egypt could well re-turn. Even if their present food out-put were to double by then, the southern Mediterranean countries will need to import \$30 billion worth of food (st today's prices). Egypt, for instance, will have to spend twice as much on food as it earns from oil. And these figures may be optimistic: Soil erosion, deforestation and

water shortages will be reducing the area of tillable land. The Mediterranean is already the world's biggest tourist area, and the lation, meanwhile, will have doubled rush has barely started. Experts be- from 200 million to 400 million.

By Amoretta M. Hoeber and Douglas J. Feith

The Mediterranean's pollution problems have only begun. At the moment, three-quarters of all pollution in the region comes from industries along the northern coast. By 2025 the picture will change. For instance, car ownership in the 17 countries bordering the Mediterranean will have tripled, to about 150 million. Nine of every 10 vehicles in the region are now in France, flaly or Spain. The extra 100 million will go mamly to the southern and eastern countries, caus-

ing grave environmental damage. Pollution levels in the cities of the southern Mediterranean are expected to double or even triple by 2025.

The ravages of pollution are already disastrous. The "greenhouse effect" is being blamed for Cairo's freak temperatures this summer of up to 48 degrees centigrade (118 degrees Fahrenheit), and scientists are warning of a 12-centimeter (4.5-inch) rise in the Mediterranean's level by 2025 that could flood not only the Nile delta but the deltas of the Rhone in France, the Po in Italy and the Ebro in Spain.

The risk is that in less than 40 years the poor southern countries may have descended into chaos, while pollution

on the northern shores will have wrought irreversible damage.
What is being done to avert this? A

brainstorming conference organized by the Aspen Institute Italia has met in Cairo to review the situation. Deputy Prime Minister Gianni de Michelis of Italy is seeking a concerted

regional approach on environmental

and developmental issues by the 17 countries in the Mediterranean Action

Plan. These governments have been

digesting the details of the "Blue Plan," a study prepared under the ae-gis of the United Nations Environment Program from which most of the projections in this article are taken. The scale of the problem is so danning that nobody knows quite

where to start. But experts note that an investment of \$6 billion in anti-pollution technology would have a major effect, while a ! percent surcharge on the sales of polluting companies would finance a dramatic cleamp. Italy is anxious that the Mediterra-

nean Action Plan should launch a major drive on these problems when its ministers meet again in October. If the group does so, it might provide a blue-print for the many Third World countries whose outlook is bleaker still. International Herald Tribune.

problem of treaty violators. If effective political

penalties cannot be organized, thought could be

There is a price to be paid when bad treaties are

promulgated and when any treaty is violated. It cheapens the currency. It promotes disrespect for

all treaties, whether dealing with arms control, human rights or protection of prisoners of war.

And the price that is paid is not distributed evenly.

Democratic countries, whose internal checks on

governmental action enforce compliance with in-

ternational obligations, suffer disproportionately.

grist for the mills of diplomats and academics. Yet

arms control treaties are roundly favored in princi-

ple, indeed venerated, as a practical way to en-

hance international security. But arms control

treaties are international law - no more, no less.

They are as potent or as ineffective as inter-national law in general. If international law is a

bad joke, if treaties can be violated profitably and

with impunity, then arms control, too, becomes a joke, with the laugh being on the states that comply with their treaty obligations.

Amoretta M. Hoeber served as deputy under-

secretary of the army and Douglas J. Feith served

as deputy assistant secretary of defense, both in the Reagan administration. They contributed this

comment to The New York Times.

International law is widely disparaged as mere

ossible that this would not be fruitful

has created, whungly and unwifinely a broad basis of consensus. The mining part arises from the acciain across the political spectrum for his policies in dealing with the Soyre Union on arms control, regional disputes and human rights. The musiting part arises from the widely con-

putes and human rights. The inwinting part arises from the widely simported backlash against his high defense budgets. His fallares no less from
his successes have had a rallying effect.

The presidential camparin, more
over, tended to loosen the influence
of the flanks. On the left, the less
lackson forces, although far from
dead, seem ontweighed for the moment by Democrats sobered by the
polls showing how national accurring
issues played for Mr. Bush and
against Michael Dulakis. On the
right, the hard-core conservatives right, the hard-core conservatives and the neo-cons are left lament what they perceive as Mr. Reagan's unfortunate drift to detente - 1 position that tends to marginalize

them in the broader debate. The general fatigue and Mr. Busins discretion seem to be removing Niceragua, by far the most resonantly divisive issue of the Reagan year,

Sure, but

Also Debate

By Stephen S. Rosenfeld

WASHINGTON -The signs are

that George Bush will have some of

that chisive bipartisan tonic working for him in the making of foreign and

defense policy. But just how much be

it is a tougher question.

and the country stand to profit from

Mr. Bush and the people he has

chosen know C you Hill and are known on the Hill and do not regard it as enemy territory. The president

elect, with his pragmatic streak, is not

likely to polarize things as his two more passionate predecessors did

More important, Ronald Reason has created, wittingly and unwittingly

definitely better than average

from the center of the board.

But, finally, the political realines count most. On domestic issues, Republican Senator John Danforth of dissouri observed to me last week, Mr. Bush faces a Congress in which both houses are controlled by Deniocrats and budget pressures are

mounting. No easy victories thereForeign policy, where Mr. Bush is
drawn anyway by his personal interests and by the call of global change and opportunity, becomes for him a realm of easier potential achieve-ment. Bipartisanship becomes a Re-publican president's essential method for success in it. Senator Danforth is into biparti-

sanship, After the Iran-contra affair, which he once attributed to the free booting adventurism of a go-it-alone executive," he drew colleagues of both parties into discussions with secretary of State George Shultz. He encouraged the "American Agenda" project of former Presidents Gerald Ford and Jimmy Carter to make the endorsement of bipartisanship that former presidents, former secretaries of state and other survivors are aiways pleased to make on hortatory occasions. Mr. Danforth and his colleagues have just received Mr. Bush's post-election assurances that he is ready to talk about the matter.

What troubles the senator is the wear and tear of the foreign policies, wars at home and the effect on America's international standing. He has been looking for a formula by which the executive consults early and often and Congress stops micro-managing. Most senators think bipartisanship is better, he says. "If you're brought in

Fine. But no one who has lived in the system or looked at it hard can be under any illusion about the difficulties of managing its clashing institu tional prerogatives, partisan pulls and personal ambitions. Certainly there is a strong core of policy that both par-ties and branches can define as the national interest, but, inevitably, choices must be made of emphase and means, and pointies and press sharpen the differences. You can believe in bipartisanship," says Schaft. Nancy Kassebaum, a Kansas Repub-

lican, "without being able to create it." Again, fine. Do Americans want an entirely bipartisan foreign policy? The postwar bipartisan consensus so often lauded as a model to which to return produced the worst foreign policy disaster of two generations, the American lurch into Vietnam. Partisanship does produce frazzle and frustration and could produce worse, but in most situations frazzle and frastration seem a fair price to pay for a good debate.

One can imagine some lines of policy for which the best proof of inadequacy was that a quiet massage had produced agreement on them. Wash-ington ought always to have bipartisanship in mind, but if we don't al-ways have it in hand it is not, I trust, the end of the world.

The Washington Post.

Bush and the Press: A Good Start, With Far to Go

By James Reston

WASHINGTON — Every new American president vows to improve relations with the press, and every four years they seem to get worse. Now George Bush is trying to make peace with everybody. Different efforts to arrange :

cease-fire have been made. Franklin Delano Roosevelt tried to charm the reporters; Harry Truman swapped jokes with them on walks around the White House; Lyndon Johnson tried intimidation; Richard Nixon turned his spies on them and tapped their telephones. And Ronald Reagan has evaded them or used them as props in his television shows. Mr. Bush is a different sort and, at

least temporarily, the outlook is a little more hopeful. During the campaign, he dodged reporters who had troubling questions, but since his election he has restored some order and civility to the question period. He hired Mr. Reagan's press secretary, which was not a good sign of change, but be announced all his cabinet ap-Incorrigibly Independent Outsiders

nose at authority and going our own way.

pointments at news conferences and in Congress, the press was invited to responded to questions with his normal patience and courtesv. In his previous jobs (the CIA was a

proper exception), he was available to the reporters, and he seemed to have a philosophy for handling the dilemma between secrecy and publicity. Unlike John Kennedy, be did not have social favorites in the press, and unlike Mr. Reagan, he treated newspaper reporters and television reporters alike. He seldom indulged in anonymous background or off-the-record conferences. The administration spends more

than a billion dollars a year on "public relations," a polite name for manipulating relations with the public.

The White House press conference was founded by Teddy Roosevelt on the principle of accountability. Since the president was protected by executive privilege and could not be compelled, like prime ministers in a parlia-mentary system, to answer questions

Presidents who had no adequate answers or were not adopt at answer-ing found other, safer ways of reaching the public. They had researchers, speech writers, even joke writers, and had TelePrompTers that enabled them to make carefully constructed "externporaneous" speeches. In the process, reporters were increasingly treated like porters who were expected to carry whatever baggage officials wanted to dump on their transmission belts.

A lew simple reforms would help. We could do without the helicopter confrontations in which questions are shouted under the roar of the propellers. Regular brief presidential con-ferences with precise relevant questions and honest answers are about all that is required. The official view is that we are a

noisy bunch, nosing into things that are none of our business, and sometimes this is true. But it is also the public's business, and while the peoole usually side with the government in these disputes, they are not served by the mutual hostility that has devel-oped between officials who make the news and reporters who write it.

Mr. Bush knows this better than most. He has been trying to heal the wounds of the campaign, visiting the leaders of Congress, talking to Mi-chael Dukakis, inviting educators and environmentalists to give him their views, reappraising the membership of the cabinet, avoiding provocative ideo-logical disputes and appointing mod-

erate and experienced professionals. He seems to be trying to create a lavorable atmosphere for discussion of the budget and other nuisances so that they can be debated on the basis of the facts, with a minimum of rancor. He calls this "confidence building," and has made a good start. But a little more confidence on both sides of the relationship wouldn't hurt. The New York Times.

100, 75 AND 50 YEARS AGO

1888: European News Italy: Word bas been sent round

to all the great galleries and museums of Europe to the effect that from San Pietro, in Perugia.

Spain: Senor Castelar is expected in Rome. This visit of the Spanish politician is connected with a new and strong attempt to revive the idea of the so-called "Latin League," a grouping of France, Spain and Italy, and the detachment of the latter Power from the Triple Alliance.

1913: Gunboat Mission NEW YORK -- A Herald corre-

spondent learns that the mission of the United States gunboat Dolphin, which left to-day [Dec. 6] for Santo Domingo, involves much more than an observation of the elections on December 15, as announced. The Dol-phin goes primarily in connection with an investigation by American Govern-ters by the Treaty of Verdun in 843.

ment officials of the administration of Santo Domingo finances. Meanwhile, it is rumored in Washington that the Administration is arranging virtual intervention in Santo Domingo in Raphael's celebrated picture of the coming elec-"Entombment" has been stolen tions, a revolution being feared.

1938: A 'No War' Pact PARIS - An eleven-century-old

quarrel between France and Germamy was apparently liquidated when Georges Bonnet and Joachim von Ribbentrop, the Foreign Ministers of the two countries, signed their "no war pact in the historic clock hall of the Quai d'Orsay yesterday afternoon [Dec. 6]. By this document, the Garman government solemnly recognizes the frontiers now drawn between the two countries as "definitive," thereby renouncing all claims to Alsace and Lorraine, which have been a constitut bone of contention between Tenton

Consensus, After 10 Yes He Was Sin

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The deed name as on the tacket install political processes, is sup-install ignational. Achievaka 1 for path on Dec. The marrient of path on Dec. ON IN MEND ON M III to said and has reserved and has reserved and had been from the said and t

share the Seven government the latest with the seven the incusation of the seven the s Included up these wine increase it is to increase to argue the first the state that the state th Henry in Belorussia. REMOVE THE CONTRACT OF THE INTERIOR RESIDUALISMENT OF THE INTERIOR WAS IN SO MAIN! Source of the creedom prior and suffered for freedom. be commented. Mr. Kuko bassa is a too be commented. By the name he was 20 stemmer, by the rate he was 20 is united that the Soviet systems which he was been crushed to which it would not crush his. the his man begin to do what The man man control of what is the could do not be say critically a could do not be say critically a could be say to say the say to say the say to say the say that say the say that say the say that say the say that s and some the some and some

is more on paper. So he was p grand appropriate to arrested movined again Years of justified to his time of rain.
froms of the vary in has been or the average of Mikhail Go in prioriers in the Soviet Union the year memory of men take M mis he do en. Willo Thomas Jefferson

Will the Gothschev reforms usher i in believed in assertance with the beforeverbe diction that for thing the same they mass change White some of his vaunted plan t mangaing somery traced on law. M Short would resture the party me intente mean of origination. Ur edate abitrar, rule, the new pres mendideprive citatens of a roger a Seedeles ever bothered to take awa being brolly. Mr. Garbaches sock missed the press, out an official publishe cheers for his policies. - The Bester Globe.

AReturn to

By Nicholas D. Kristof Yes Tim 7 mes Seminar

Mou thins — China is wooing ing wax, but the most startling be about in this rural frames, miles for eximasion China being wink in Tarwan's direction of manushick gate to Xikou. The insc mething kai-snek, the Nationali lake sho was defeated by the C and hed to the island of Taiwan it or and that Chiang arranged the June of thousands of leftists we disas from about 1927 to 1949. at the has been regarded as a vill his for decades on the Chinese me ate on in Taiwan he has faller no his death in 1975.

Man his hometown, he remains thinks man who built the main ro and the hospital, and who put Xikou

or inputant, as Chinese leaders to reassure Taiwan of their the decided to swallon the sexulton and its !!.000 inhall her destwhile worst enemy. C pristing China, 2 user bustimarism has dier the Communists stoppes the community are in the stands they are the perhaps the single most odice. The nope is the perhaps the single most odice. The nope is the paradithes will gradually encourse a side to favor reunification will stand

to keep that the Chiang family will to kilou, "explained Chiang Zhous to kind three times removed from the alyone-quarter of the residents of

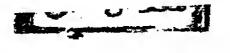
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The and ightened security in a large new anti-Chinese pro-

A new anti-Chinese prode region, Western sources ... H lary leader. Wu Jinghua, sa. 1 leading to Beijing and dis-lar laining to stop the sim-depi

residents in Lhasa deny was death in Lhase The state of the sta



T HE redeeming virtue of the press is its orneriness—its sense of apartness. Especially its determination to keep its distance from government, not

only to avoid censorship but to avoid co-optation. The founders of this nation

took a gamble that a free press, even when it is irresponsible and unprofession-

damn well better make it clear we are not part of government.

al, is a healthy check on government. But if we are to defend that privilege, we

Besides, I can't for the life of me fathom why any journalists would want to become insiders, when it's so damn much fun to be outsiders — irreverent,

inquisitive, impudent, incorrigibly independent outsiders - thumbing our

- David S. Broder, of The Washington Post, in a speech accepting the National Press Club's annual Fourth Estate Award for lifetime distinction in journalism.

OPINION

ASHINGTON—The same definitely better than the factories Bush will have a that causive hipartisan tour a far him in the making of long and the country stand to profit it a tougher question.

Mr. Bush and the

M. Bush and the people of the state of the s pources in dealing with his years of incarceration in psychiatric hospitals where the Soviet government so often locked up those who thought they had the right to argue against the state and thus were judged mad.

Just, "Here is the paper, go."

It was, hy happenstance, his birthday—52 years since he was born in the town of Bobruysk in Belorussia.

He is not a member of the intelligentchion on arms control robe price and annual mans lessing part arises from the me-priced racklash against the comme budgets. His failure to be comparable to be bad arabase. The presidental campus, included to loose he is sia, as are so many Soviet citizens who have fought and suffered for freedom in their country. Mr. Kukobaka is a tool-and-die maker. By the time he was 20 he

ine flanks. On the left & and-die maker. By the time he was and and seem outweighed for kinno which he was born crushed the course of the kinno which he was born crushed the course of the course o ment by Democrats solendary played for Mr. be agentit Michael Dukaba (ine hard-core come. the med-cons are left be petceive as Mr. L uni priumate drift to ditte. contact that tends to me inem in the broader debite The general fatigue and M were added to his time of pain.

For most of the years it has been in power, the government of Mikhail Gorbachev officially denied the existence of Control seem to be remore to far the most reissue of the Rege: from the center of the boost B. .. (2.11), the political On domestic iso The great triumph of men like Mr. Kukobaka is that the government at last Turkean Senator John Day observed to me le says yes, they do exist. He's No Thomas Jefferson

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WILL the Gorbachev reforms usher in a new political order, or have they been fashioned in accordance with the and an arrivate by his person. ت الله عنا ما والمنط to remain use same of his varied plan to create a socialist society based on law, Mr. Gorbachev would restore the party mo-der the guise of rectifying the Stalinist penchant for arbitrary rule, the new press statute would deprive citizens of a right no After the Iran-cooks Soviet ruler has ever bothered to take away from them, legally. Mr. Gorbachev seeks not freedom of the press, but an official press to lead the cheers for his policies. Silver and the George Section Presidenti

Caneries . - et etandezu (omme se the property ... - ... :: =ale mb A. . . . Mr Daniordadi With the terms of the season and the large of - _ ಾ. ಎಂದು ಟ್ರಾಂಟ್ ಮೊಟ್ಟಿ

The second of th - The Party ב בי בי בי בי בי בי בי

ND 50 YEAR: 460

The party leader, Wu Jinghua, was recalled to Beijing and dismissed for failing

A Communist Party spokes-Tibet had a new party secretary as Jintao, former party leader in Guiz-

hou Province. Meanwhile, residents in Lhasa

place with police and infiltrate ev- of China. crything, a Westerner said.

Consensus

Sure, but

Also Debat

He Was Simply Told to Go

By A. M. Rosenthal

The prisoner from

There remains a great deal to be se about how many are left who are yet to Moscow, still dressed in the shabby be acknowledged and if a society is being created that will no longer throw black and gray uniform he has worn for 10 years and one month. men and women into years of hell for The cloth name tag on the jacket, so speaking their minds — or if it is one that simply redefines what words and detested by political prisoners, is ripped off; only the threads show.

Mikhail Ignatievich Kukobaka tore

ON MY MIND

warden suddenly handed him his release papers and told him he could go.

There was no explanation from the warden. No word of regret for the decade of imprisonment in brutally strict labor camps. Not a mention of the six earlier years of incarceration in psychiatric hospitals, where the Senior accomment so

He is not a member of the intelligent-

minds of its people - and was deter-

Then this man began to do what he

could to oppose the system.

All he could do was to say critical

things about the government and some-

times put them on paper. So he was put

in madhouses. When he was released, he

was arrested, imprisoned, re-arrested in

prison, convicted again. Years of jail

political prisoners in the Soviet Union

Now it is releasing many of them.

shrewd conservative dictum that for things

nopoly on the means of information. Un-

- The Boston Globe.

mined that it would not crush his.

thoughts are permissible. For the moment it seems enough to off the patch on Dec. 3, the moment the celehrate the freedom and victory achieved by one prisoner of Perm.
Mr. Kukobaka was in a special prison camp for "politicals" known throughout

the gulag as Perm 35, a feared, hard place in the Ural Mountains. He was in a punishment cell for months with three other men sharing all months with three other men sharing at they had: a few feet of space, the cold and gruel. Among them was Lev Timofeyev, an economist from Moscow who had committed similar crimes of the mind and now speaks and writes and struggles for liberty from an apartment in Moscow. From Perm 35 Mr. Kukobaka went

straight to that apartment. Meat and string beans and beer were put before him, but for some time he could not even touch them. He did eat some bread, collecting the

crumbs in a napkin and swallowing them. What he wanted most was to talk about what had happened to him and how his life had been these years.

His face is gaunt and his skull prisonshaven. There were times he had to fight to control his voice and tears.

Those moments came when be talked of what was most bitter to him — even more than the hunger and cold. They were the trials to which he had

been subjected. He talked of the anguish of hearing informers testifying falsely, of defense lawyers appointed by the KGB denouncing him, of a courtroom filled with hooligans. The mockery of those trials that were the legal justification for the 16 tortured years seemed more than be could bear.

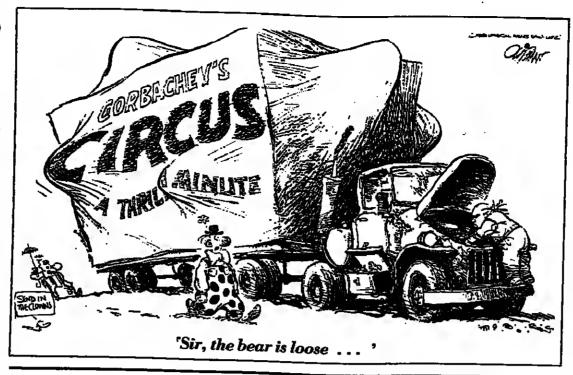
He told about the investigator who said enemies of the Soviet Union like him should not be tried at all, just taken out and shot. He said the man's name carefully - Soloviev, Colonel Soloviev of the Vitebsk region of the KGB before his voice broke. He talked as freed prisoners often do,

in detail and quickly, as if the time of solitude could return any moment, Prisoners in Perm 35 manage to follow the news. He said the camp was being painted, icicles knocked off and prisoners given extra food because the word was out that some foreigners might arrive.

Fine, he said, prisoners are generally hungry as wolves in the forest night. And, he said, he was freed because Mr. Gorbachev wanted to diminish the issue of political prisoners by the time he arrived in New York City.

That seems likely. An excellent gift to the city, the release of prisoners of Perm. Later we can talk about other presents, other prisoners.

The New York Times.



LETTERS TO THE EDITOR

Soviet Jews Who Wait

Robert Cullen, in "It's Time for a Quiet U.S.-Soviet Deal on Emigrants"

(Opinion, Dec. 1), says that, according to the National Conference on Soviet to the National Conference on Soviet 1. The opinions expressed by Richard L. Marcus ("Germans: Speaker Jenninger Spoke the Truth," Opinion, Nov. 23) are based on a profound misunder-Jewry, "the number of Jewish refusen- standing. Philipp Jenninger's resignaiks remaining is down to 2,500 to 3,000." Our organization knows of more than 9,000 Soviet Jews refused to face the truth about Germany's terriexit visas hefore 1987 who are still be-ble past during the Nazi period. ing refused; we estimate that there are The complaint against Mr. Jenninger

Union and others in both East and West, the situation in the Soviet Union still violates the United Nations Human Rights Charter. Soviet Jews face increasing anti-Semitism, and they fear that the violence in Armenia and Azerbaijan may spread into Russia itself, where they would be the first victims.

Mr. Cullen reports that for the last

12 months Soviet officials have been promising "a new, more liberal law on emigration." Until such a law is published, there is oo reason to suppose that Soviet Jews who have been denied exit visas can look forward to a future when they cease to be treated as hos-

tages and bargaining counters.
Until that happy time occurs and all ewish refuseniks are allowed to leave, as has been guaranteed by the many inter-national treaties signed by the Soviet Union, Mr. Cullen's program for future action should be treated with disdain.

MARGARET RIGAL and RITA EKER. Co-Chairmen. Women's Campaign for Soviet Jewry.

What the Speaker Said

In retused; we estimate that there are 20,000 others whose names have never reached the West. A leading Soviet Jewish refusenik told us recently that an additional 100,000 Jews have applied this year to emigrate.

Not withstanding some excellent in Germany he had come too close to parameters also are the party of principle or the party of the White House. So long as conservatives continue to hold a lock on the Electronian additional 100,000 Jews have applied this year to emigrate.

Not withstanding some excellent the party of principle or the parliament - among them known public relations work by the Soviet critics of Germany's Nazi past - left the ment and nominate a Southern conserchamber in outrage. As Sebastian vative. But if they do so, let them do it Haffner, from whose book on Hitler Mr. with full consciousness that they are Jenninger took many of his arguments, retreating from principle. commented, "At the grave of the victim one does not speak of the fascinating character of the murderer.

KURT L. SHELL

DUANE STANFIELD.

ty's 1992 standard bearer, writes Mr.

Liberalism Under Attack

Normally I worship at the feet of Tom Wicker, but I must take exception to the last paragraph of his column "A Democrat Who Could Win in '92" (Nov. 21).

A Razz for Barry
I found Dave Barry
"Things Not to Say to the Month of the Nov. 22) takes Senator Lloyd Bentsen of Texas may (Meanwhile, Nov. 22) tasteless. be too old for consideration as the par-

Wicker, "but he represents reasonably well the kind of nominee the Democrats need" to break the string of presidential defeats. He further says that "such a candidacy would not be an abandon-ment of liberalism."

Choosing a conservative to head the remain the party of principle or the party

RICHARD PATRICK WILSON. Mobile, Alabama

The contemptible letter by Jack Jolis KURT L. SHELL.
Frankfurt.

It would appear from Forbes Perkins's letter "Jenninger's Vile' Speech"

(Nov. 23) that he never actually read the speech and is merely reacting to the speech and it is the s speech and is merely reacting to the acclaimed worldwide. When Mr. Bern-press coverage of it. Mr. Jenninger was stein, like other illustrious Americans, addressing the need, as with cancer, to conspicuously opposed the Vietnam treat causes, not just deal with effects.

War, it was a brave act to stop an insane fight that squandered the lives of more than 50,000 young Americans.

HANS WILMERSDORFER. Rio de Janeiro.

I found Dave Barry's silly article "Things Not to Say to the Maître D'"

AMANDA MONTELIUS. Eybens, France,

From Genuine New Yorkers, An Agenda for the Comrade

By Paula Span

Courade, let us give you a hand. Trees, paintings and ungainly buildings you can find in Moscow. Has anyone at the Soviet Mission bothered to point out that this is

MEANWHILE

Footwear Fashion Week in New York? Or that the Odd Job Trading shop on West 48th is offering deep discounts on TurboSpas ("turn your bathtub into a whiripool")? That's what we figured. Let us suggest an alternative introduction to this nerve center of Western capitalism, this hirthplace of hustlers, this corporate hutcher for the world.

Forget about the New York Stock Exchange. What you want to see is the Commodity Exchange Center, where more than a thousand traders in silver and crude and cocoa and orange junce futures bellow at one another as if phones and computers had never been invented. It is New York's last "open-outery" exchange, "one big milling crowd of screaming gesturing buying and selling "says Avery Hunt, director of external relations. Now that's capitalism.

An even more fun approach to studying capitalism is to see the stuff it produces. That is why we are so excited about Fontwear Fashion Week, which brings hundreds of exhibitors and oh, maybe 50,000 shoes to town. A Miami importer named Aurelio Garcia has chosen this show, you'll he thrilled to hear, for the world debut of the Julio Iglesias line of men's footwear. Suede, python, ostrich, lizard in yellow, red, green — Mr. Garcia is no umorous retailer. He is eager to be your host. "I wish I could sell

these shoes in the Soviet Union," he said, sighing. "They'd love them."

Another way to develop an appreciation of capitalism is to take a gander at the leftovers, the sheer variety and volume of stuff Americans throw away. This can best be observed in two locations: Odd Job Trading is a chain of close-out stores, where manufacturers' mistakes and miscalculations are picked up for peanuts and offered to the public at lowow-low prices. Muscovites would stand m line for hours for this stuff. Howie Snyder, a partner, has been a

busy man lately (he has just laid in 20,000 leftover Mets and Yankees kiddie uniforms), but he will gladly take a minute to show you around. He may try to sell you one of those TurboSpas ("only \$79.99"), but consider the less bulky Executive Talking Egg, an ovoid brass tape recorder on which you can leave one 20-second message, should a member of the Polithu-

ro stop by while you're walking the dog.
The other place to see capitalism's castoffs is Staten Island. The 3.000-acre

(1,200-hectare) Fresh Kills Landfill is the

D EAR COMRADE: A word of advice. About this New York itinerary, this quick twirl through Central Park and the Metropolitan Museum and down Broadway — forget it.

Comrade, let us give you a hand. Trees, paintings and ungainly buildings you can find in Moscow. Has anyone at the Soviet Missien Lett.

Section 27, this quick twirl through Central barge most of the 27,000 tons of garbage barge most of the 27,000 tons of garbage to Department offers tours. Cynthia tion Department offers tours. Says that touring a landfill is an educational experience. The company of the control of the 27,000 tons of garbage barge most of the 27,000 tons of garbage and the same and the sam

disposal is everyone's concern.
Or how about a visit to Madison Avenue? Messner Vetere Carey Berger Schmetterer is one of the few ad agencies still on the avenue. You could see how these folks plot to persuade Americans that life is not worth fiving without Regina ElectrickBrooms and Drixmal cold tablets. They know what they're doing this is the agency that helped elect George Bush.

But let us also acknowledge that capitalism has its hleak fallout. There is probably a bigher that the second of the s

ably a higher concentration of human misery in New York than anywhere else in the country. And yes, comrade, there are things you do better than we do. Run a subway system, for example "I'd like to take him on the R Train to

Brooklyn." says Gene Russianoff, attor-ney for the Straphangers Campaign. "He'd ask, 'Comrade, is this the way the On the better lines you'll find panhandlers. All right, beggars. "He might be amused at the clever rounnes New Yorkers come up with to ask for money," said Mr. Russianoff, mentioning the saxophone player who amounces that he is an alien in need of cash for spaceship fuel to return to his native planet (and then plays a lew bars of the Twilight Zone" theme). "But he'd probably go home and tell his colleagues

that capitalism is in its death throes And what would you think of East New York, a ravaged stretch of Brook-lyn? Lillie Martin, director of East New York Stop Deterioration, womes about the rats - and the murders since crack dealers moved into the area.

You will find it bewildering, comrade, to realize that such desolation coexists with the gilded stagecraft and orchestrat-ed bonhomie showcased at Radio City Music Hall. We know you've got high culture and suffy philosophers, but have you got Mighty Wurlitzers or Fabulous Rockettes? For that matter, has the Soviet Union embraced performance art at all? If not, you ought to take in "Nuts and

Bolts," now playing in the Village, fea-turing a troupe called Pink Inc. — five women and a man who inhabit big soft sculptures. Let Louise Heit of Pink Inc. explain just what you will see: "Screws bond their wills through a ritual march. Innards contract and release. Together their energies combine within the Of to conceive a mysterious creature."

Comrade, you must experience this, Pink Inc. is holding free tickets for you and your entourage. "He would go away with something to reflect on about humanity," Ms. Heit promises. "It would be a very personal experience. The Washington Post.

GENERAL NEWS

A Return to the Mainland for Chiang

By Nicholas D. Kristof New York Times Service

XIKOU, China — China is wooing Taiwan m many ways, but the most startling bouquets are found in this rural hamlet miles from nowhere in eastern China where in eastern China.

The first wink in Taiwan's direction comes at the massive brick gate to Xikou. The inscription honors Chiang Kai-shek, the Nationalist Chinese leader nese leader who was defeated by the Commihists and fled to the island of Taiwan in 1949. Never mind that Chiang arranged the killing and torture of thousands of leftists when he ruled China from about 1927 to 1949. Never mind that he has been regarded as a villain for nearly four decades on the Chinese mainland and that even in Taiwan he has fallen from favor since his death in 1975.

In Xikon his bath in 1975.

In Xikou, his hometown, he remains a leg-end. He is the man who built the main road, the school, the hospital, and who put Xikou on the

More important, as Chinese leaders search for ways to reassure Taiwan of their good intentions, they have decided to a leader to the search of pride and use Xikou and its 11,000 inhabitants to honor their erstwhile worst enemy, Chiang. It is a sign of China's new pragmatism: Only nine years after the Communists stopped shell-ing Nationalist-held islands, they are paying homage to perhaps the single most odious man in Communist annals. The hope is that this open-mindedness will gradually encourage Tai-wan residents to favor reunification with the motherland

"We hope that the Chiang family will come back to Xikou," explained Chiang Zhongwei, a 27th cousin three times removed from Chiang

- Nearly one-quarter of the residents of Xikou are surnamed Chiang and all are members of the same clan as Chiang Kai-shek, enabling them to determine relationships easily. Most residents appear to be related in some distant way to Chiang Kai-shek.

These days, Chiang Zhongwei has a new job that makes him a point man in the peace offensive to recapture Taiwan. He is the caretaker of a grand villa that Chiang Kai-shek built to pass the days with his wife, Song Meiling, better known as Madame Chiang Kai-

Chinese leaders have decided to swallow their pride and use Xikou to honor their erstwhile worst

shek. The villa was destroyed in a Japanese air attack in 1939, but the Communists rebuilt it and last year opened it to the public.

The government is also carefully tending to the Chiang family graves, his birthplace and his boyhood home. The former home of Chiang Ching-kuo, Chiang Kai-shek's son and successor as president of Taiwan, has also been opened to the public.

"Some people think Chiang Kai-skek was good, and some people think he was bad," Wang Shunqi, a local official, explained delicately. "But regarding his legacy here — the school and bospital, in particular — people are grateful to him.

"Whatever else he was, Chiang Kai-shek was a giant," Mr. Wang continued. "Xikou's fame is due to Chiang Kai-shek. And after all, every town wants its sons to become famous." A year after Taiwan relaxed its rules to allow

some of its citizens to visit the mainland, many Taiwan residents are visiting Xikou. The gov-ernment has counted 1,100 Taiwan visitors, but many others seem to slip in uncounted.

many others seem to stip in uncounted.

"We're delighted to come here, because it's so full of history," said one Taiwan resident who was touring with his family hut declined to give his name. "I grew up listening to Chiang Kai-shek and Chiang Ching-kuo on the radio, and the people here have the same accent."

Indeed the thick accent which is difficult for

Indeed, the thick accent, which is difficult for even many Chinese to understand, is commonplace in the corridors of power on Taiwan. In addition to Chiang Kai-shek and Chiang Ching-kuo, who between them effectively ruled the island from 1949 until the younger Chiang's death early this year, some of their aides also came from the region and held influential posi-

The generalissimo, who banned any contact with the mainland, would be appalled to see the Taiwan visitors photograph each other in front of his old home. He would be even more aghast at plans by some Taiwan residents to open factories in Xikou.

As Taiwan's wages rise and its currency appreciates, many Taiwan manufacturers are moving assembly lines to the mainland, where wages are far lower. Xikou is flaunting its pedigree to try to attract some of this investment, and already one Taiwan investor is designing a \$65,000 factory in Xikou to manufac-

Xikon officials predict that hy the end of next year several factories financed by Taiwan residents will be operating in town.

"We will give Taiwan residents preferential treatment, including land and tax breaks," said He Yulun, director of the district government, which encompasses Xikou, "We treat them better than anyone else."

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Chinese Party Leader in Tibet Dismissed

Foreign toprists have had their "BEUING - China has dispassports checked and hotel rooms missed its Communist Party leader in Tibet and tightened security in an attempt to prevent monks from organizing new anti-Chinese prothe streets tests in the region, Western sources

a wave of anti-Chinese riots in Lhasa, the walls of the University of Tibet are daily covered with graffiti missed for failing to stop the sim-mering revolt in Lhasa, the sources interested in enriching themselves, the sources said.

Woman in Beijing confirmed that dent," "Chinese go home" and Thee had a new party secretary as wishing the Dalai Lama a long life of Dec. 1. She named him as Hn have frequently appeared around

The Western sources quoted informed Tibetans as saying that more than 100 political prisoners,

Tibet's holiest shrine Saturday night and chanted the "Prayer of Truth" in the light of butterlamps, the Western sources said. Police patrolling nearby did not intervene although the prayer con-

tained lines entreating the "protec-tors of Tibet to drive the barbarians of the east from the land of the Protests against Beijing rule over the poor Himalayan region crupted in October last year, perhaps the bloodiest riots since the failure of a rebellion in 1959 forced Tibet's

spiritual leader, the Dalai Lama, to flee across the border to India. Monks clashed with police again in March and an unknown number were shot or beaten to death. Western diplomats were unsure

filled Lhasa's main square outside inces, both poor areas inhabited by minority peoples.

be an associate of Hn Yaobang who launched reform policies in Tibet but was dismissed as national party leader last year by party hard-liners.

Mr. Hu was thought to be of Han Chinese nationality. His predecessor, Mr. Wu, was a member of the Yi minority and dubbed by some Chinese in Lhasa "the lama secre-

U.K. Seizes Cocaine on Boat Reuters

NEWPORT, Wales -- Cocaine worth £1 million (\$1.86 million) has been seized on a banana boat China. tively young at 46 and had experithat arrived here from Colombia, a Monks and hundreds of pilgrims ence in Guizhou and Gansu Proverses spokesman said Tuesday.

who simply selected seven numbers out of eleven in the Pennsylvania State Super If no one wins, then the prize grows and grows until somebody does.

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said Tuesday.

said the city was again tense with aimed police circling the Johkang Temple, questioning people and including at least 30 monks and nuns, had been transferred from prisons inside Tibet to other areas

searched, the sources said. On Wednesday about 40 criminals were paraded slowly through

However, more than a year after

Posters saying Tibet is indepenthe main square, the scene of past

what policy changes Tibet's new party leader would bring. But they noted Mr. Hu was rela-

A member of the party's Central Committee, Mr. Hu was believed to

tary" for posing for pictures with monks in Buddhist costume.

By Joel Brinkley
New York Times Service

JERUSALEM - Just 24 hours after saying he was resigned to caafter saying he was a second to entering the opposition, the Labor Party leader, Shimon Peres, said Tuesday that he had called a meeting of the party's Central Commit-

tee to vote on reopening coalition miliation and shame as well as grave concern," watching the "dis-

Mr. Peres announced his decision Tuesday morning after breakfast with President Chaim Herzog. who is urging the two parties to form a coalition government be-

Prison Camp in Israel Assailed by U.S. Group

pied territories.

By Glenn Frankel IFRUSALEM - A report by a

panet of American jurists asserted Tuesday that israel's military prison for Palestinian detainees in the Negev desert violated international law and should be closed because of its location and its "crowded. inhumane living conditions

The panel also accused Israel of impeding the work of Palestinian human rights advocates in the oc-cupied West Bank and Gaza Strip by detaining without charge or trial civil rights workers and defense lawyers. It said such detainees should be charged or be released and urged an investigation into allegations that they had been intimidated and physically abused.

Israel has denied the allegations, contending that the prison camp meets Israeli legal standards and that the rights advocates have been detained because of their alleged involvement in outlawed Palestinian national movements.

In the report, issued in Israel and States has lifted a six-year-old ban in New York, the Lawyers Com-mittee for Human Rights cited on the sale of cluster bombs to Israel after the Israeli government agreed not to use the weapons beatings of prisoners, hamiliating forms of individual and collective punishment, forced labor, poor sanitation and poor medical treat-ment among. The report cited 15 categories in which the Ketziot detention camp appeared to violate the Geneva Convention.

The report also alleged that the detention of Palestinians from the West Bank and Gaza at the camp, which is located in Israel proper, just before impact.

ences — meet minimum legal stan-

be held for six-month renewable

periods without charge or trial.

U.S. Lifts Ban on Sale

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against civilians, a U.S. Embassy

The ban was imposed in 1982

would be used only against military

device that releases smaller bombs

official said on Tuesday.

Of Weapon to Israel

very difficult one for the country so cause, he said in a speech Monday that we have to draft all our forces night, he feels "helplessness, huin order to establish a wide governthat we have to draft all our forces Mr. Peres and other party lead-

grave concern," watching the "dis-

Mr. Peres said Mr. Herzog "ex-

plained to me what appears to him

to be a very serious situation and a

graceful" coalition negotiations.

ers said the 1,300-member committee would probably approve the re-quest, even though the party bureau, a smaller body of senior officials, narrowly voted to end coalition negotiations just a week ago. Prime Minister Yttzhak Shamir

violated Geneva Convention artiwould agree to talk with Labor, if cles barring military occupiers Labor's Central Committee apfrom removing residents of occuproved, a senior aide to Mr. Shamir

The army began moving Pales-tinians into Ketziot in March to On Monday, when asked about renewed coalition talks with Labor, cope with the overflow of detainees Mr. Shamir said: "I have already from security roundups designed to invited them, and they have refused end the yearlong Arab uprising. Defense Minister Yitzhak Rabin to join my government. I will not and senior military officials have

But on Tuesday, Mr. Shamir said nothing about the Labor meeting maintained that conditions at the camp — large, open tents enclosed by multiple barbed-wire security that is to take place nn Thursday. A senior aide in Mr. Shamir's office said, "he feels so badly burned by Labor that I think he wants to wait There are more than 2,000 Pales-tinians at Ketziot, most of them and see if this passes through the Central Committee." administrative detainees who can

In the meantime, he added, Mr. Shamir "will continue attempts to solidify a narrow coalition government of the religious and extreme

Labor took advantage of the last coalition invitation Mr. Shamir offered and used the time Mr. Shamir gave to consider his offer to woo away Agudat Israel, one of Likud's coalition partners.

on Sunday they said he was unlikely to consider reopening negotiations with Labor

In recent days, various religious and rightist parties have demanded portedly Libya. control of the same ministries and after Israel was accused of using threatened to back out of talks with cluster bombs against civilians in Lebanon, violating assurances to the United States that the weapons Likud if their demands were not

tinian because his reported activity Tens of thousands of Israelis was not criminal but was politically have been calling for a new nationmotivated, as part of the attempt to al unity government that excludes the religious parties.

RUSINESS



Arafat in Sweden to Meet American Jewish Delegation

Yasser Arafat being greeted by Foreign Minister Sten Andersson on the Palestinian leader's arrival in Stockholm on Tuesday to confer with a group of American Jews. Israel refuses to talk to the Palestine Liberation Organization, which Mr. Arafat leads, and has urged its U.S. supporters not to do so.

Bonn Reports Release Of Radioactive Steam

BONN — Government officials have reported an incident at an

atomic power plant near Frankfurt last year in which radioactive steam was released into the atmosphere. Officials said that the amount of radioactivity was below danger levels and that there was no risk of a meltdown of the reactor's core.

The report, and particularly the fact that it had not been made public sooner, prompted a political dis-pute in Bonn. Members of the Free Democratic Party, the junior partner in the government coalition, and the opposition Social Democrats and Greens Party called for an investigation.

At a news conference Monday, Klans Topfer, the minister responsible for the environment and for the safety of nuclear reactors, said the proper supervisory agencies had been informed. He said it was not unusual that such an episode

had not been publicly reported.

He said the incident, which took place in December of last year at Biblis-A, a 1,200-megawatt reactor, had been upgraded to a danger rating of urgent in September. It initially received a rating of normal

from plant operators. There are on average 12 incidents a year listed as urgent in West Germany, and 400 so-called normal incidents, the minister said. The highest danger rating, immediate, has never been given.

The Frankfurt incident was reported by the American miclear affairs journal Nucleonics Week which noted that in some cases it could have led to a meltdown of the reactor's core

Werner Hlubek, an official of the utility that operates the plant, said "At no time was there the danger of a meltdown." But he added, "We

do not consider this to be a small Adolf Birkhofer, chairman of the Commission for Reactor Safety said the incident was a result of human error when the plant was

A valve in a primary cooling system was not closed when the reactor was restarted. Although this registered immediately as a fault operators noticed it 15 hours later. An attempt was then made to close the valve by manipulating the pressure on it by slightly opening a sure on it by slightly opening a second valve, allowing a release of radioactive steam for as long as five seconds. But the maneuver failed and the plant had to be shut down.

U.S. Will Attend Debate on PLO

WASHINGTON — The United States will attend a UN General Assembly debate on the Palestinian question in Geneva next week de spite its having recently rejected a request for a visa for the PLO's chairman, Yasser Arafat, the Spite Department said Tuesday.

The denial of a visa that would have enabled Mr. Arafat to address the assembly at United Nations headquarters in New York specied the change of location for the sersion, now set for Switzerland.

"Despite all the turnoil on this question of the visa, that has nothing to do with our regard for the Palestinian issue," Charles Red-man, a State Department spokes-man, said at a news briefing.

"We believe the debate in Geneva will be an important one," he said, "and we'll be there."

right-wing parties." From the Likud point of view, Greece Releases a Suspected Abu Nidal Terrorist Labor took advantage of the last

By Paul Anastasi

ATHENS - The Greek government reneged Tuesday on an agree-That infuriated Mr. Shamir, and ment with Italy to extradite a Pales-

targets. A cluster bomb is a large

fied by the Palestinians' recent declaration of an independent state and their renunciation of terrorism.

The actions for which he was being accused fall within the dotinian wanted in connection with main of the struggle to regain the independence of his homeland and the 1982 attack on a synagogue in Rome and instead deported him to consequently suggest action for freedom," Justice Minister Vassilis a country of his own choosing, re-Rotis said to explain his decision. The government, which circum-This referred to a recent law that prevents extradition "if the Greek vented a Greek Supreme Court ruling, said it was releasing the Palesgovernment believes that the said

terrorist is fighting for freedom." The Palestinian, Abdel Osama Zomar, 27, who is suspected of belonging to the terrorist Abu Nidal

It also said the decision was justied by the Palestinians' recent decration of an independent state months in jail.

group, was deported early Tuesday months' imprisonment on charges of illegal possession of arms and explosives. In the attack on the Rome syna-

gogue, a 2-year-old boy was killed and 34 others were injured. The justice minister said the decision to deport Mr. Zomar was approved by Prime Minister Andreas Papandreou and Foreign

Olympic Airways plane.

Mr. Zomar was arrested at the

Minister Karolos Papoulias. A Greek police official said the Palestinian left for Libya aboard an

Italian authorities filed their ex-

tradition request in 1983, which was accepted by two lower courts and by the supreme court.

In March 1985, a few days before completing his sentence with extra-dition to follow, Greek authorities brought new charges against Mr. Zomar of being an accomplice in a bomb attack against the Athens offices of the Royal Jordanian Airline. He was acquitted, but was Greek-Yugoslav border in November 1982 and was sentenced to 20 possessing a knife in prison.

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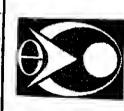
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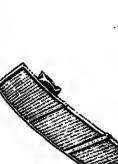
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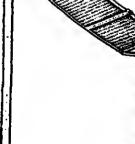
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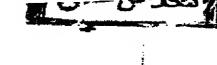
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The United States is ahead in the race shutdown

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> A consortium of computer makers led by Compaq says it will introduce a personal computer based on new hardware standard — a direct challenge to IBM's attempt to dominate the market with its Micro Channel architecture.

Communications

Not so very long ago, mobile tele-phones were an oddity, a rich man's phones were an outily, a men many toy. Now new systems based on digistates will strend a line of the company that technology are opening up a variance of the company that technology are opening up a variance of the company that the company th network under development may deliver the most advanced mobile regional telecommunications system in the world.

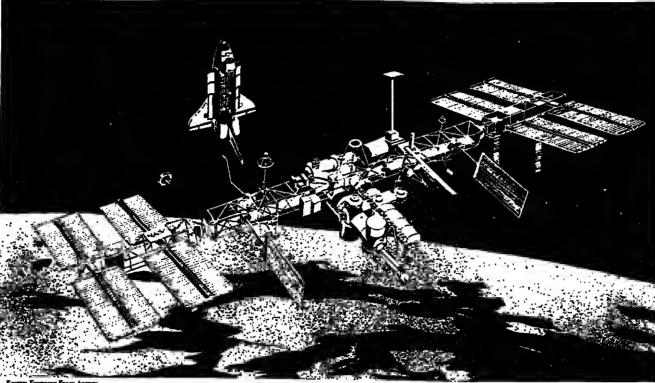
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- The first privately financed regional satellite for Asia will be launched in 1990, narrowing the communications Despite all the many gap between the area's developed and developing nations.

- Carbon-carbon composite, a material that gets stronger as it gets hotter we believe the deben and retains its shape, already proand well be the mineral state of the U.S. space shuttle. Its future applications may range from replacing human bones to protecting the environment from nuclear waste.

Page 10.

or your nearest represented still eports - industrial parks with sophisticated telecommunications facilities - may become as impor-INVESTIGATION TANK INVESTIGATION TO THE PARTY OF THE PART



Pacts Set Space Station Command

By Paul Kemezis

7 ASHINGTON — We know all about space stations from the science fiction films. There is always a commander with a square jaw. He has a multinational or interplanetary crew that salutes a lot and almost always follows orders.

It is pretty clear who is in charge. Sometime around 1997, there will actually be such a space station in permanent orbit around Earth. It will have an eight-person crew made up of American, European, Japanese and Canadian astronants and scientists.

Unlike the U.S. space shuttle, now in use for short visits into space, the space station will not be owned and operated by the National Aeronautics and Space Administration. The components of the space station will remain the property of the participating countries, making it the first truly international manned

This prospect raises for real the question taken for granted so often in the movies: Who will really be in charge up there?

Diplomats from the major Western nations spent most of 1987 and 1988 trying to figure

this out. On Sept. 29, bathing in the glow of the successful relaunch of the space shuttle, representatives of the participating countries quietly signed protocols and memos of understanding laying out the basic rules for running the space

They did not underestimate the significance of the agreement. "It was very important to get the accordinght," said Ian Pryke, head of the European

Space Station office in Washington. "It will be the benchmark for future space cooperation accords. All others will refer back to it." According to Michael Michaed, the U.S.

Department of State representative oo the oegotiating team, the agreement is "visionary not only in the technical sense, but also in the More than just vague international princi-

ples were at stake in the oegotiations. The project, with an initial price tag of \$23 billion with \$7 billion from the oon-American partners - is the largest international science project ever undertaken.

The Europeans, who up to now have always been no more than guests on NASA flights, wanted to make sure that they had equal rights

and control over their own equipment in the

design state as well as operations. When the Challenger accident halted shnttle. flights in 1986, the Europeans had gained an edge over the Americans in some areas of space research, mainly because of the success of the European-built Spacelab module, which was carried on numerous shuttle flights.

Most experts believe the Europeans and possibly the Japanese will maintain this technica edge into the period when the space station is available for processing materials. Because of this, there has been an undercurrent of concern that the United States would use its control of shuttle operations to favor its own research efforts and to catch up,

According to Mr. Pryke, the United States has not acted unfairly in setting the new schedule for the shuttle. But reaching clear guidelines on the space station was important to establish long-term trust in what could become

highly competitive commercial field.
The increased use of NASA's civilian shottle to launch U.S. defense satellites also raised deep concern among the other partners about possible U.S. military use of the space station.

Continued on page 12

Europe on Brink Of a New Age in TV

By Barry James

ARIS — With excerpts from "La Bohème" and a rugby match commented simultaneously in four languages. France last week successfully tested for the first time its TDF 1 television satellite, which is billed as opening the way to pictures and sound far superior to entitle the same state. and sound far superior to anything available

TéléDiffusion de France, or TDF, the stateowned operating company, plans to put the satellite, which was launched Oct. 28, into

commercial service by oext spring.

Viewers equipped with a dish antenna the diameter of a large dinner plate will be able to receive direct broadcasts from the satellite in a "footprint" covering all of France and ranging as far as Berlin to the east, Dublin to the north and Naples to the south. Outside the target area, the signal will be obtainable with larger

The first broadcasts from the satellite on Nov. 28 were shown to executives from broadcasting organizations that are seen as potential users of the satellite's four high-powered chan-

mels.
"We are convinced the satellite represents real progress," said André Rousselet, director general of Canal Plus, France's pay-TV service. He said he had applied for two of the TDF I channels, one to carry Canal Plus's existing program and another to provide a similar service. vice for West Germany, which, he said, is being discussed with German and American partners. Like Home Box Office in the United States, Canal Pius specializes in broadcasting recently released movies.

Another channel is likely to be reserved for a French-German cultural channel. This was agreed to by President François Mitterrand and Chancellor Helmut Kohl when they met in Bonn on Nov. 4.

The TDF I satellite is a twin to the failed TV-Sat I, which was launched for West Germany in November last year. It had to be written off as a loss after one of its 60-foot (19meter) solar panels failed to extend fully, blocking the signal relay.

Following redesign and rebuilding of the solar panels, there were no hitches with the two-ton TDF 1, which cost 1.8 billion francs (\$300 million) to build and launch.

Four satellites were built under a 1980 agreement by a consortium comprising Messerschmidt-Bölkow-Blohm and Telefunken of West Germany and Aerospatiale and Alcatel Espace

France. West Germany is due to try again with its second satellite next year.

Critics say TDF 1 is the space equivalent of the supersonic Concorde — a technological marvel but an expensive white elephant. Prime Minister Michel Rocard said recently that he was "scandalized" by its cost and by the fact that it was launched before the question of its commercial exploitation had been settled, or

before any programs had been prepared for it.
When the project was conceived eight years
ago, four powerful channels seemed adequate.
Since then smaller but cheaper direct-to-home
satellites capable of transmitting up to 16
channels at far lower cost have been developed,

A second generation of satellites promises to turn Europe into a zapper's paradise.

although they also transmit to a smaller area. There is even more doubt about the future of TDF 2, the already completed second French satellite. Will the government continue to fund the program? Can private enterprise be per-suaded to pick up the tab, particularly in light of the commercial failure of cable television in

Defenders of the project say that TDF 1 and its twins are a necessary investment to enable Europe to develop a high-definition television standard to compete with the system that Japan tested during the Seoul Olympics. Clearly that question is of major interest to European producers of consumer electronic products.

The European standard is known as D2-MAC Packet, which stands for dual binary Multiplexed Analog Component transmitted

Continued on page 10





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By Michael Schrage

AMBRIDGE, Massachusens - If America's manulacturers spent billions of dollars building plants that yielded more waste products that yielded they would be called than goods, when America's service industries seemingly make that sort of dustries scructive investment, it's called white-collar automation.

"We've made enormous bets here in this country," Stephen Roach, a New York-hased Morgan Stanley New York-hard has done what may be the best econometric analyses of high technology investment and white collar productivity in America. Forty percent of the capital budget, goes to information tech-

COMMENTARY

nology. We've bet that the new information age economy of the late 20th century is the answer to economic productivity into the 21st

But is it a good bet or a foolish gamble? Europe, Japan and the emerging industrial powers of the Pacific Rim are wondering if Ameri-ca's bid to buy global competitive-ness in services through new technology is a model to be emulated.

Even with 1992 coming up, Europe is just not prepared to make the bets on the information economy that we have made," says Mr. Roach. "They're just starting to talk

Peter Keen, a director of the International Center for Information Technology based in Washington, believes that investments will be made in Europe to make up for past underinvestment - but that the financing will come from Japanese capital "1992," he says, "will be aboni European-Japanese alli-

Corporate America has lavished more high technology on its whitecollar workforce than any other country on earth. But the return on America's investment has been

shockingly low.
"The level of white-collar productivity in 1987," Mr. Roach says, "was actually no higher than it was in the mid-1960s." How could this be? American

hardware and software has consistently been championed as its com-petitive edge. The findings intuitively feel wrong: Lots of companies have successfully used information technology to boost market share and profits.

Federal Express, one of America's leading service companies, has done a superb job of applying computers daily flow of hundreds of thousands of packages. The back office operations of Citicorp and Shearson are industry models of cost-effective high-volume transaction processing. TWA and American Airlines have successfully used their computerized reservations systems to capture mar-ket share while pricing for profit.

are atypical. Moreover, because the productivity numbers are an average, they obscure the industrywide impact of high tech investments. The reality is worse than the numbers seem. The fact is, there are as many high tech investment failures as there are successes.

Take the banking industry, which over the past decade has been quickly evolving from national scope to global enterprise. Though historically one of the most experienced users of information systems, banks have had a horrible time wringing pro-

There are as many high-tech investment failures as successes.

ductivity improvements from what is now an annual investment in ex-cess of \$30 billion. "By traditional measures, systems investments have not improved bank productivity," concludes a receot Salomoo

Bros./McKinsey & Co. study. No doubt, some of the problem is attributable to the transition costs to information technology systems. But the fundamental problem is that most organizations have picked the wrong metaphor to implement in-formation technology. They think the technology is a tool; something you can pick up and put down, turn on and off. How effectively it is used is a matter of acquired skill.

Bot applying information tech-nology — the collection, processing and distribution of data — is more like building a nervous system than using a tool. The information infrastructure often determines what data are gathered, processed, analyzed, distributed and acted upon. While a few companies can grow an effective technological nervous system, the fact is that most companies are lousy at it. The infrastructure that results is overbuilt and poorly designed, the corporate equivalent of planaria and earthworms.

"It doesn't help to endow workers with equipment," Mr. Keen says, "if you don't endow them with trust. In that respect, the Europeans and the Japanese are better positioned for white-collar antomation."

If antomation can perform some tasks faster and better than people, what happens if that task is stupid and inefficient? Technology lets you implement bad decisions faster; it lets you implement lousy procedures

But even improving the flow of information and the way it is pro-

cessed may not matter much. Do managers really make better decisions as a result of access to high tech information systems? Citicorp may have a tremendous computer capability, chock full of econometric models, but that didn't stop the bank from leading billions of dollars to the wrong countries. The models may have simply reinforced the poor loan judgments.

Computers may transform the process of compiling reports and calculating budgets, but there is no evidence that access to a personal computer improves the quality of an executive's decision-making. The ability to rewrite a report seven times on a computer does not mean you end up with a better report: There is such a thing as diminishing

Given that innovations in information technology are continuing at an astonishing pace, the challenge of how best to use it will likely remain

"You know standing still is not a winning strategy," says McKinsey & Co. consultant Thomas Stemer, who has analyzed technology investment in the banking industry, "and merely expending resources to become efficient is also not correct."

To succeed, he asserts, companies will not only have to "preemptively invest" in the right technologies. they will also have to "selectively deinvest" - that is, bail out of tech-

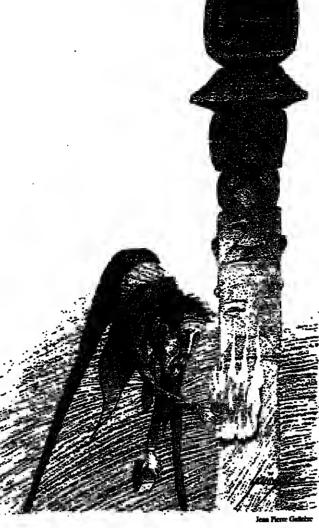
For Europe and Asia, what American companies choose to disinvest from may be as revealing as what investments companies actually make. Just last mooth, Merrill Lynch, America's largest brokerage firm, announced that it oo longer wanted to manage its giant internal telecommunications network itself - despite the fact that the firm's network is considered a proprietary strategic asset. That is clearly a sign that managing information technology productively is more difficult

than initially thought. "Perhaps we have bet too much of our service sector productivity on technology," says Mr. Roach. Per-haps Europe and Asia are wise to wait and learn from America's mis-

On the other hand, the pain of absorbing technological transitions may be something that cannot be avoided. Watching how others do it may oot be enough. Assimilating the new information technology is not just a phase an economy goes through: if people continue to cling to false expectations, it becomes a constant turmoil that depresses eco-

Policymakers and corporate leaders around the world should stop believing that boosting capital ex-penditures on new technology ultiitely boost prosperity tionship just is oot there. It is clear that if America wants to enjoy the fruits of a post-industrial economy. il has to do more than invest in technology. For Europe and Asia, information technology is oot the

secret to rapid economic growth. Japan, of course, has enjoyed as-



solve the problems technology cre-

This attitude, though, ignores the genuine problems that most busioesses have integrating information technology into the organization. The issue is not just managing technology — it is managing people who

use technology.

"Federal Express and Citicorp are the attainable exceptions," says Mr. Keen. What they do is "well within the capability of any Fortune 500 firm. There's oothing magic about

MICHAEL SCHRAGE, previous! a technology correspondent for The Washington Post, is a fellow at the Media Lab at the Massachusetts In-

Backward Networks Slow Supercomputers

By Paul Kemezis

ASHINGTON - The United States appears to be a nose ahead of Japan and Europe in developing supercomputers. Over two-thirds of the world's high-performance machines are in the United States, and high-speed work stations to access the new breed of computers are quickly arriving in laboratories and univer-

But U.S. scientists and government officials fear that they will not get the full research benefit from the giant computers because data networking has not developed as quickly.

U.S. scientists face "a serious mismatch between today's high-performance processing engines and low-performance computer net-works," said Leonard Kleinrock, computer sci-ence professor at University of California at Los Angeles. This means researchers whose university or institute does not have a supercomputer have major problems linking into

Not only are transmission speeds too slow for the massive amount of data involved in upercomputer work, but connections are hard to make and unreliable, Mr. Kleinrock said. It's extremely unfortunate for the U.S., which spearheaded oetworking technology 20 years ago," he added.

The National Science Foundation has tackled the problem head-on by creating NSFNET, a 1.5 megabit-per-second octwork that links five national supercomputing centers with about 200 universities. However, NSFNET has been quickly swamped by eager users and does not have the budget resources to keep up with

Officials already warn that users may face a deterioration of service even though the network will soon begin to incorporate 45 mega-bit-per-second connections in its backbone

Alan McAdams, a management professor at Cornell University, said that a paradoxical situation is developing. "When users get increased computing power on their desk tops, the immediate result is a demand for more to the control of oetworking capacity, not less." The urge to plug into more powerful supercomputers is natural, like wanting to drive a new sports car

fast, and the weak link is the slow networks.

One key problem is that NSFNET, even at 1.5 megabits per second, has problems handling graphic displays generated by supercom-

puters. These images of swirling gases or complex atomic structures have become crucial to researchers as a way to interpret the torrent of data coming from new machines.

Los Alamos National Laboratory in New Mexico, for example, is offering researchers real time video representations of their work

ties and research centers.

ogy, the new network would cost \$400 million to build and \$200 million a year to operate. The plan would require that existing research networks operated by the National Science Foundation, the Department of Energy, the Department of Defense and the National Aeronautics and Space Administration be merged into the super network.

One of the key problems facing the plan occurred in November, when a Cornell student planted a computer virus that briefly penetrated several government installations. Insiders were quick to notice that the student's access to other computers was greatly aided by Cornell's excellent data links to the outside, including its status as one of NSFNET's five supercomputer

Mr. Gore had already put some safeguard anguage in his bill in light of an earlier incident in which teen-age hackers gained access to the Los Alamos National Laboratory, perhaps the country's most advanced supercomputer. center. Aides say this section will be substantially enhanced in light of the new incident.

on the lab's bank of Cray 1 supercomputers. But sending video images devours space on data networks, creating an almost insuperable

Because of these problems, an effort has begun in Washington, led by Senator Albert Gore Jr., Democrat of Tennessee, to create a National Research Network over the next 10 years. The government-owned network would have a 3-gigabit per second transmission capability and provide access between dizens of supercomputers and more than 1,000 universi-

Using state-of-the-art fiber optic technol-

R. GORE must also overcome the suspicions of the private data communications industry since the network would exist parallel to their lower capacity networks. Mr. Gore makes clear that the national research network would be phased out once private network, which are now just reaching the l-gigabit stage in test areas, can handle the traffic.

IBM, Consortium Fight Over Hardware Standards

By Al Senia

tounding increases in white-collar

productivity over the past few years without resorting to massive investments in technology infrastructures. Nomura and Sumitomo Bank are

just two examples of successful Jap-anese financial service companies

that have done well without exten-

sive and expensive technology. "For Japan," says Mr. Roach, "service productivity isn't closely linked to

technology. The Japanese emphasize such things as personal service, in-

The irony is that champions of

information technology say the solu-

nion to the problem is - more tech-

nology. Connect computers togeth-

er, and companies will become more

healthy dose of artificial intelli-

gence. In essence, technology can

oductive; or give the computers a

OS ANGELES - IBM Corp. and a rival consortium of major computer makers are escalating a technical battle over hardware standards that will in large measure determine the design and makeup of the microcomputer industry in the 1990s.

At the heart of the dispute is the bus architecture, or electronic conduit, that moves data from one part of a personal puter to another. For more than 18 months, IBM has proclaimed that its Micro Channel Architecture, introduced with the company's new PS/2 line of machines in 1987, holds the key to advanced, future

However, IBM's dominance of the personal computer industry is being seriously challenged by a collection of more than 60 hardware and software companies led by Compaq Computer Corp., IBM's chief

personal computer rival.

The group, which includes such industry eights as Hewlett-Packard Co., NEC Information Systems Inc., Tandy Corp. and Zenith Electronics Corp., has vowed to introduce next year a computer based on an alternative bus called the Extended Industry Standard Architecture,

Both standards will compete for dominance in the market for the most sophisticated microcomputers powered by 386based silicon chips.

While the bus architecture argument may seem esoteric to computer users, it has important ramifications. It will determine the design and capability of future micro-computers. It could dislodge IBM's grip on the personal computer industry's direction and empower a host of second-tier com-

petitors. It also determines the direction of new product introductions from hundreds of software companies that are waiting to see which standard is headed toward wide

Though confused by the standards bat-

tle, computer users have a more immediate self-interest in the dispute: The future of the software programs they currently use. Existing software programs are not compatible with Micro Channel. However, EISA officials claim compatibility will exist with their promised new machine, since it is essentially an extension of, not a replacement for, the internal architecture now existing in millions of IBM AT ma-chines and clones worldwide.

This might appear to give the EISA standard a clear edge. However, Micro Channel has existed for more than 18 months, a fact that some analysts believe will tip the standards' edge to IBM.

In fact, IBM already has shipped 1.5 million Micro Channel-compatible machines and may double that figure by the time the initial EISA machine is introduced. Officials from one major American computer chain, Businessland Inc., said Micro Channel systems account for 54

percent of 386-based computer sales. Micro Channel also is catching on in the European market. Normerel Systèmes, a French computer manufacturer, introduced a line of Micro Channel-compatible computers in mid-November; the machines are to be distributed in the U.S. market beginning in December. Apricot Computers PLC of Birmingham, England also introduced Micro Channel-compati ble machines this fall.

AL SENIA is a business writer based in Los



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Data Sys Revoluti With Di

By Robin Herman ARIS — in the commu

receipt to that has train reiensions into video t and telephones into info bents, the radio stands out as d rene Fristrated instances (rejecte knot down the size secretary in the pound for their favorite station. sound the news face in and out 25 th between one comment and an space of speciming music is study loved by a heart most fixed band,

then do you remize you have the muon. But a radical change in the way use radio is already in the air. Over use ratio is an advantage radio station year, Europe's major radio station the British Breadersting Corp., has RDS, an

inaudible signal will make tuning precise and automatic.

converuing their FM signals to I radio funing process and spiromati The RDS is an insudible signal be along with the regular FM transmit carries a stream of digital informa-

duding the station's identity, equipped with an RDS decoder & find the station a distance wants, tur inquency providing the best recept anomatically returns frequencies th dis happens to be in a moving e inener does not need to know that i quamber of the station, just the s Moreover, the digital nature of th

opens the door to a range of oth fDS ratios will be smart enough to: did in the type of music requested. heart of the station being heart my degrogram with local traffic ? atheneous travels across the co give the bulletins in his native lange nance what country he happens to and provide a digital display of the

Dialogue and cooperat Monts Which Go beyond ionliers of existing know are essential require we often the interlinking to different fields. tonew, multi-disciplinary s

We at BASF have delib the challenge by the activ Mysics, biology, medicin Ham knowledge and i pelmar are some example. diguration chemistry and equipment of the source are some exering. denglic advance by the **Technology** Felecommunications

By Robin Herman

banks, the radio stands ont as a lone an-

Frustrated listeners twiddle knobs up and

down the dial searching in the jungle of sound for their favorite station. Drivers

hear the news fade in and out as they travel

between one transmitter and another. A

spate of soothing music is suddenly fol-lowed by a heavy metal rock band, and only then do you realize you have the wrong

But a radical change in the way listeners use radio is already in the air. Over the past year, Europe's major radio stations, led by the British Broadcasting Corp., have begun

revolution that has transformed

televisions into video boutiques and telephones into information

ARIS -- In the con

plets. These images of suring the attention as a way to internal

National America Network and the sears. The government-owned are have a 3-3-3-bit per second trained being and provide 2000st beneat supercomputers and more than is. ties and towards contest

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Secretaried in November, when a Con Diamien a computer virus that bee ed several government installation were outed to notice that the sub-Cities of mentals and Executy sides constant into the outroite Marce & one of NSFNET street

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Because of these problems as begun in washington led by Seal Crore Jr. Democrat of Temperatural Research Network needs

Ching State-of-the-art fiber on the company the new network would only to basis and Selection milion a part the plan would require that only menutories operated by the National Personalisation, the Department of Defense and the Actionalistics, and Space Administration. Accordances and Space Administration of the super network

RDS, an R. GORE must also the suspicions of the inaudible signal, in Detwork woulde will make tuning precise One of the key problems has and automatic

> converting their FM signals to the new Radio Data System, or RDS, that will make radio tuning precise and automatic at the touch of a button.

> The RDS is an inaudible signal broadcast along with the regular FM transmission. It carries a stream of digital information including the station's identity. Radios equipped with an RDS decoder chip can find the station a listener wants, tune to the frequency providing the best reception and automatically retune frequencies if the radio happens to be in a moving car. The listener does not need to know the frequency number of the station, just the name of

Moreover, the digital nature of the signal. opens the door to a range of other uses. RDS radios will be smart enough to scan the dial for the type of music requested, display the name of the station being heard, interrupt the program with local traffic bulletins as the motorist travels across the continent. give the bulletins in his native language no matter what country he happens to be in and provide a digital display of the time.

Data System Heralds

Revolution for Radio With Digital Tuning The radio revolution is being led by

broadcasters who see the new system as.
vital to keeping the loyalty of listeners as radio bands become more crowded. The revolution awaits the electronics manufac-

More than a dozen major companies, including Philips, Grundig, Sharp, Blan-punkt, Hitachi and Ford, have RDS car radios in the works and plan to put the products on the market by this spr. RDS receivers are already available as an option in all Volvos at a cost of about £600 (\$1,080), but prices are expected to drop sharply after the new technology becomes established. Volvo came out ahead of the pack because it already had a car radio with

a microprocessor tuning system that can scan 10 preprogrammed frequencies for sev-Volvo worked closely with Swedish Telecom to adapt the radio to an RDS system. With RDS, the closest transmitter continuously "informs" the radio which frequencies are available for a given station. There is no

preprogramming Other manufacturers have mentioned a price about half as expensive. Sharp, for example, will have two RDS car radios on the market in Britain in February at £249

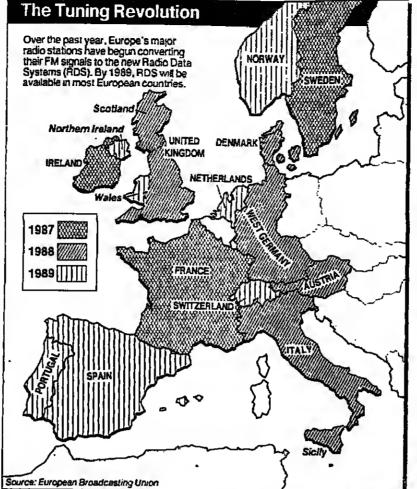
The RDS system "ends the confusion of radio," said Mark Saunders, RDS develop-ment manager for the BBC. "It's making radio as easy to use as television."

The RDS system was developed over the course of 10 years by a team of BBC engineers in collaboration with Swedish Telecom and the West German broadcasters research association. The European Broadcast Union formally endorsed the system in 1984. The signal has been standardized in Europe so that RDS receivers will be able to understand" the information broadcast by

RDS will be especially useful to the BBC for use in Britain, where more than 100 transmitting stations are needed to provide the country with BBC network radio ser-

The BBC national networks have begun to program fancier features. Tests of the travel service will begin in the spring. The BBC World Service is primarily broadcast on AM frequencies and will not be affected by the RDS technology.

Mr. Saunders said the BBC was able to convert its transmitters to the system for about £1.2 million, a "rather cheap" invest-ment, he observed, considering it need only be done once and can transform the nature of radio service. The RDS signal is sent out at a frequency of 57kHz and does not interfere with existing mono and stereo signals. Radio France converted its France Inter



network to RDS a year ago and, taking advantage of the digital signal, equipped it with a radio-paging service that can "beep' a motorist or a pedestrian with a pocket perer to alert him to call the office or home, A caller dials a central number and a receivor unit's code, which is then relayed as a signal through the RDS system's transmitters and on to the receiver.

Sweden, West Germany and Austria also have begun RDS broadcasts, while other European nations are in the testing stage. Industry sources say that the United States and Japan have shown keen interest in the system but have not started any RDS

A typical RDS radio is equipped with a set of numbered buttons that the listener can easily program to call up a favorite station. A rocker button scans the dial, displaying the name of each station until the listener chooses one for a particular button

On car radios, drivers can press a separate button marked "Travel." Radio programs and cassette listening then will be automatically interrupted whenever there is a traffic bulletin warning of backups, accidents or slick roads ahead

The RDS radio essentially "knows" where the car is located geographically because it is tuned into the closest transmitter for the station requested. When traffic bulletins for the region around that transmitter are flashed by local stations the news comes to the motorist even if he is listening to a national station, temporarily breaking into the ongoing transmission. West Germany, Switzerland and Austria have travel news available. Sweden is currently testing such a

The radio can also be instructed to tune in later to a particular scheduled program, for example, an educational program broadcast overnight that the listener would like to record. This is possible since the RDS continuously transmits an accurate time signal derived from national time standards. Each program carries an identification code with a time element.

Future uses are limited only by imaging tion. The digital signal will allow a broadcaster to send data to computers and printers hooked up to an RDS set. A cooking program, said Mr. Sannders, "could send a recipe to a printer at home. After a gardening program, the broadcaster could send a list of all the plants mentioned and where to get them." A radiotext feature would allow message of up to 64 characters to be displayed by an RDS receiver that could give, for example, the name of the program, the title, composer and date of the symphony being broadcast, or a telephone number for call-in shows.

ROBIN HERMAN is a journalist based in

Europe on Leading Edge Of Mobile Phone Changes

By Robert Bailey

ONDON - The mobile telephone, for long considered to be a rich man's toy, has been in use since the mid-1950s, but only in the last few years has it become an everyday item with users. Yet, even five years ago, it would have been hard to believe that mobile telephony could have achieved such acceptance.

But what is seen today is still only the beginning of things to come. New systems, based on digital technology, are being developed that will produce more compact, and increasingly less expensive, equipment for both network operators and subscribers. Instead of being an oddity, the mobile telephone will become a commonplace piece of equipment in taxis, trains and aircraft as well as in the hands of a growing

And the thrust of development is coming not from North America or the Far East but from Europe. A revolution is taking place in European mobile tele-communications that is characterized by a high degree of cross-border cooperation.

Parallel developments that are taking place in other aspects of mobile telecommunications, including paging and, in particular, cordless telephones. point to significant changes in the way telephones are used. Within a comparatively short time, many people will be carrying their telephones to work, as a new generation of cordless telephones replaces existing ones that are limited to specific locations because of their limited analog technology.

Because the new specifications employ digital transmission techniques and an advanced coding procedure, the zonephones will each have a unique dentity. A subscriber will be able to make calls away from home, though not receive them, via special public base stations.

In Britain, where tens of thousands of these small link points are expected to be installed in railway stations, airports, pubs, etc., users will be able to make calls if they are within 200 yards (182 meters) of one of these base stations. Calls will be logged by computer and charged to the person's account,

At around £150 (\$270) to £200, the cost of the new phone will be much lower than cellular phones and potentially attractive to a wider clientele. First licenses for the new system are expected to be announced within weeks by Britain's Department of Trade and Industry. This will allow services to begin in the first quarter of 1989.

If, as predicted, the new cordless system does take off, there could, according to some estimates, be up to three million subscribers in Britain and seven million in the rest of Europe by the early 1990s. Used in conjunction with a pocket pager that might be integrated with the phone, the new cordless sets could prove to be an extremely cost-effective tool for business and professional users.

Paging is another part of the mobile market that is growing, notably in Britain, which has about 500,000 ubscribers served by six network operators. A Europage system that is expected to be operational by the end of 1989 will also boost the market and allow a person to be paged anywhere in Europe. It is projected that 5 percent of Western Europe's population could be using some form of a paging system in the next 12 years.

While the new cordless phones are likely to attract most attention in the mobile arena during the coming months, by far the most significant technical advances are being made in the development of the Pan-European cellular network.

Based on digital technology, the planned network will operate to common standards across the continent, allowing the same mobile phone to be used for national and international calls whether from Paris, London, Milan or Stockholm. The network will also provide European manufacturers with the scale of



production opportunity to enable them to overtake the United States and Japan in implementing the next generation of mobile telephony.

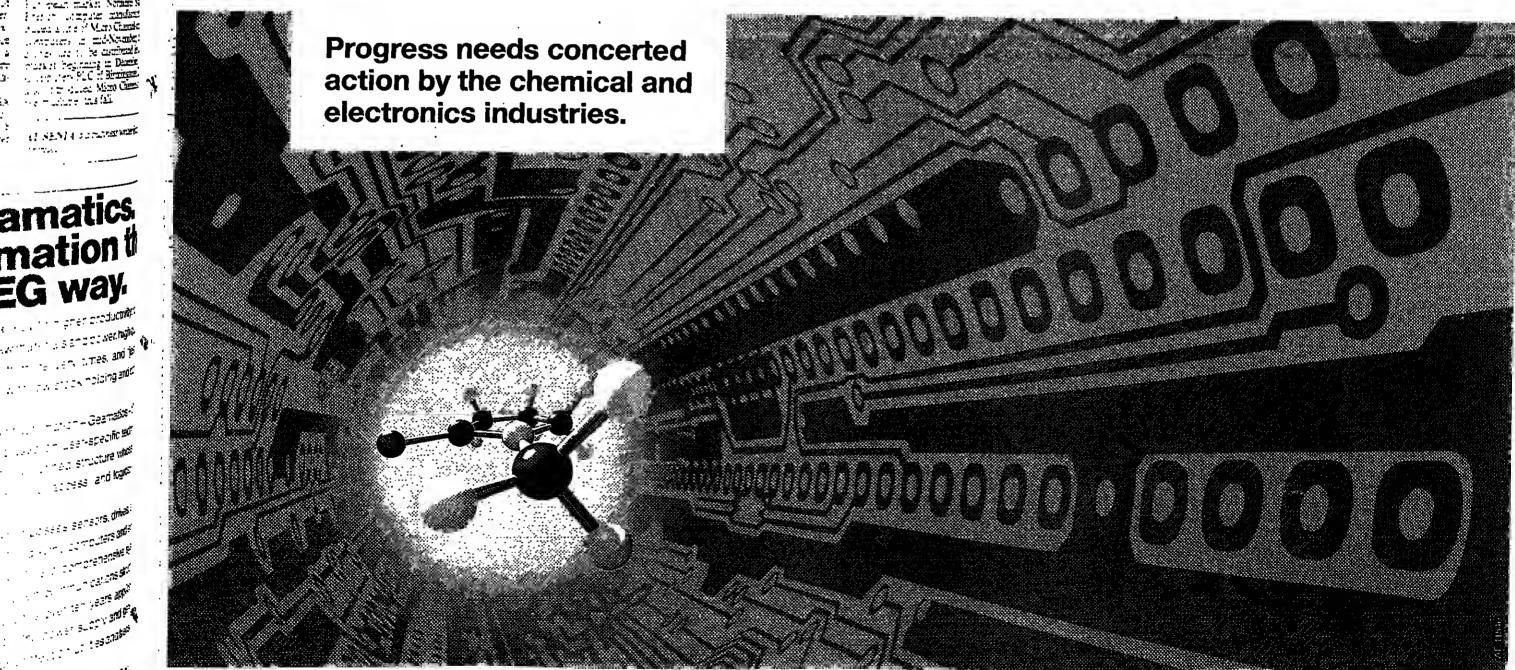
There are big stakes involved. Overall, the market for network infrastructural equipment and for mobile handsets is expected to reach £800 million a year by the time the new service is due to start in 1991. A key feature will be the common design of certain critical parts of the system that will allow the same telephones to be used anywhere in Europe. At pre-

sent, only Scandinavia enjoys such interoperability.
The Nordic Mobile Telephone system, established in 1980-1981, has about 500,000 subscribers in Sweden, Denmark, Norway and Finland, providing a greater mobile phone penetration than in any other region of the world. The Pan-European move is likely to encourage the emergence of a streamlined European industry selling to a much larger market.

If industry forecasts are on target, the promised extra capacity will certainly be needed. There could be 10 million subscribers by 1995 and 20 million by 2000. This assumes a continuation of the growth patterns already recorded in Scandinavia and, more recently, in Britain and France after cellular systems were introduced in those countries in 1985.

Whether the technical jump can be achieved within the very demanding time frame decided on remains to be seen. Much depends on the coordinating au-thority Groupe Speciale Mobile that was established by the Conference Europeenne des Postes et Telécommunications to integrate the proposed system in more than a dozen countries.

ROBERT BAILEY is a London-based journalist



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Asia's First Private Satellite to Help Bridge Communications Gap

By Coleen Geraghty

ONG KONG - A caller in Hong Kong can telephone New York in seconds. But from China, just a few miles to the north, the same call might take hours to complete.

Asia abounds with similar examples of the gap between the telecommunications industries of developed and developing countries. Poverty, rough terrain, and, in some cases, an aversion to Western ways, has impeded infrastructural progress in many parts of Asia.

But the situation is changing rapidly. As satellite-based telecommunications systems become increasingly affordable, even the least developed countries are studying how to use these systems in establishing domestic telephone, telex, high-speed data transmission and television broadcasting services.

By coming late to the use of satellite communications, developing nations can take advan-tage of new technology, low-cost equipment and a more competitive marketplace. Advances in the telecommunications industry now enable infrastructurally backward nations to build satellite networks that reach the most

In April 1990, the first privately financed regional satellite for Asia will be launched by China's Great Wall Corp. Known as AsiaSat 1, it will provide domestic satellite services to most of the region, but it is designed largely to improve communications in China, Thailand

These countries fall within AsiaSat's "footprint," the term for that area to which a satellite beams its signal. AsiaSat's primary beam will cover China, while spot beams reach Pakistan and Thailand. Excess transponder capacity will be available to Afghanistan. Burma, Bangladesh, Nepal, North Korea, Taiwan, Malaysia, Hong Kong and South Korea. The en-

Corp., is China's foremost investment and finance company. Hutchison Whampoa, controlled by a leading Hong Kong entrepreneur, Li Ka-shing, is a diversified company involved in property development and management, container terminal operations, power generation and supply and telecommunications.

The three companies will invest \$120 million

Advances in telecommunications enable infrastructurally backward nations to build satellite networks that reach the most remote villages.

tire land mass covered by AsiaSat's beams includes half the world's population.

The satellite is owned by Asia Satellite Telecommunications Ltd. (AsiaSat), a Hong Kong consortium formed in February by three of the region's corporate giants.

Cable and Wireless plc is a U.K.-based company whose major subsidiary owns the franchise for domestic and international telecommunications services in Hong Kong. CITIC,

to buy, insure and launch AsiaSat, and build two ground control stations in monitor the

"This is a lung-term investment for us," said Terry Seddon, who has been seconded from Cable and Wireless in serve as AsiaSat's chief executive officer. "According to the current business plan, we should break even in five

By that time, company executives hope to have leased all of AsiaSat 1's 24 transponders,

and to be preparing for the launch of AsiaSat 2, in theory a larger and more sophisticated satellite. But the development of a second satellite will depend on AsiaSat's success in selling transponder capacity on the first.

The company's initial customer base will consist primarily of government and quasigovernment agencies since telecommunications in this region remains tightly controlled. Some potential customers, including China, have already launched their own satellites, but none can provide the variety of services avail-

Operating in the C-band at 6-4 giga-Hertz, with a 36 megaHertz channel bandwidth, the satellite can be used for trunk route and thin route applications. The former are high-speed networks capable of carrying multiple voice or data circuits between major cities, and the latter are narrow communications pathways suitable for rural telephony or private net-

A typical thin route network will use threemeter earth stations, each capable of carrying four channels of voice or data. Chean and easy to install these stations can create instan networks in areas that lack adequate communi-

AsiaSat executives also expect customers to use their transponder capacity for domestic distribution of television signals. For example, Pakistan, which is beginning a second national television channel, could transmit programs directly to remote communities by installing

small TV Receive-Only (TVRO) earth stations throughout the country.

AsiaSat 1 is, in fact, the refurbished Westar VI satellite, designed and built by the Hughes Aircraft Company. A U.S. space shuttle re-leased Westar in 1984, but the satellite's thruster failed to lift it into geostationary orbit. It was retrieved by a shuttle mission the following year and is being returbished by Hughes for the 1990 launch as AsiaSat 1.

Before the existence of AsiaSat 1, countries in the region had only two possible sources of satellite power. They could lease spare capacity on a spacecraft positioned over the Indian Ocean and owned by Intelsat, the multi-country group that controls global satellite links. Or, they could buy and launch a proprietary satellite, as have Japan, India and several oth-

AsiaSat's decision to seek an orbit that would target China, Thailand and Pakistan seems, in retrospect, a wise one.

Although China has launched several proprietary satellites, beginning in the early 1980s, all were the short-lived, low-power variety. At the moment, China leases two transponders from Intelsat and has two more on a small domestic satellite. A recently signed joint venture agreement with the German firm Messerschmitt-Bölkow-Blohm GmbH (MBB) calls for the 1992 launch of a satellite similar to AsiaSat 1 with 24 transponders and a 10-year

But China will need additional satellite capacity as its population of more than one

billion acquires television sets at the rate of 12 million a year. As a measure of the potential of the China market, AsiaSat executives note that Canada owns or leases 80 transponders to supply power to 15 million television sets.

Bangkok's recent decision to launch a domestic satellite may hurt AsiaSat's opportunities in Thailand. But when the government asked for bids from potential joint venture partners, AsiaSat responded with a proposal that would guarantee Thailand a certain number of dedicated AsiaSat 1 transponders. That authorities are considering the proposal.

Of the three countries targeted by AsiaSat. Pakistan has the most primitive telecommun cations network. But the satellite's powerful beam will enable Pakistan to broadcast to remote, rural communities via a network of small, low-cost dishes. AsiaSat executives point out that certain components of the land stations can be manufactured locally, thus stimulating the domestic low-technology in-

When asked about AsiaSat's plans, executives mention the preparations for AsiaSat 2, which will provide satellite power for domestic use in Asia through the year 2000. If that succeeds, AsiaSat may be in a position to challenge Intelsat for a piece of the international telecommunications market.

COLEEN GERACHTY, a journalist based in Hong Kong, is a regular contributor to the Inter-national Herald Tribune.

Carbon Composite Promises Array of Uses

By John Holusha

RECKSVILLE, Obio -An exotic carbon material that has enormous structural strength and can withstand temperatures as high as 3,000 degrees Fahrenheit (1,949 degrees centigrade) is being considered for use in such things as nuclear waste containers, laser shields in space weapons systems and even replacements for human

The material, known as a carbon-carbon composite, is being used here by the B.F. Goodrich Co. to fabricate wheel brakes for advanced airliners, such as the Boeing Co.'s 747-400.

Carbon-carbon's first significant use was to protect the space shuttle's nose and the leading edges of the craft's wings from the enormous heat of re-entry into the atmosphere at the end of a flight.

The ceramic tiles that cover the rest of the spacecraft will withstand heat to 2,300 degrees Fahrenheit, but even more protection

was needed for the bottest areas. Now, government scientists and private-sector researchers are considering using carbon for structural parts in such advanced projects as the national aerospace plane, a combination airplane and spacecraft that is scheduled for testing

The carbon materials are considerably more complex than a lump of coal, even though they are composed entirely of the same ele-

Diamonds and graphite are both forms of carbon, for exam-ple, differing only in their crystal

But carbon-carbon materials are composites, similar to the reinforced plastics that are increasingly replacing metals in the aero-

Probably the best-known composite is fiberglass, in which glass fibers are bound together in a plas-

In the aircraft applications for carbon-carbon materials, both the reinforcing fibers and the binder are made of carbon, which is how

the name carbon-carbon compos-

Carbon's high melting point is responsible for the material's ability to withstand temperatures close to 3,000 degrees.

"On the shuttle, carbon-carbon is used mostly for thermal protection and has only modest structural requirements," said Howard Mashs of NASA's applied materials branch in Langley, Virginia.

"In the next generation, it will be used for both thermal and structural purposes. You can even conceive of an all-black airplane," he said, adding that it would have a skin of carbon-carbon compos-

The material might also be used in containers to store nuclear wastes, which can generate high temperatures, and as laser shields in space-based systems where the heat of high-powered laser beams would be used to destroy satellites and other space vehicles.

The substance's strength and the benign behavior of carbon in the body might also make carbon-carbon suitable as a bone replace-

ment, instead of the stainless steel now used.

The aircraft brakes produced by Goodrich's aerospace and defense division, which has its research and development laboratories here, start out as woven polymer cloth that has been heated to drive off all elements but carbon.

Because of the orientation of the crystal structure, this graphite weave is quite stiff in some directions, a feature that designers can use to give the needed structural characteristics to the final part.

The cinth is coated with resin so the layers adhere to each other and can be cut and shaped into the inrm of the final part - a partly hollowed disk in the case of the aircraft brake rotors.

Then the layers are clamped to-gether and heated to several thousand degrees to carbonize the resin. What emerges is fine mesh held together by the carbon residue of the resin. It is two-thirds to threequarters empty space, however, and must be filled in with more carbon to achieve full strength. Some fabricators repeatedly im-

merse the part in resin or pitch and heat it to drive off all but the

Goodrich uses a process called chemical vapor infiltration.

The brake rotors are loaded into a large oven and methane gas is pumped in. The heat of the oven splits the gas into carbon and hydrogen atoms and the carbon gradually — over hundreds of hours — fills in the empty space.

The built-up carbon acts as the glue to hold in place the fibers, which provide the material's One problem with this method

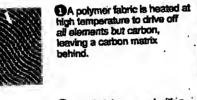
is that, if the part's exterior fills in faster than the interior, the gas is blocked and the process cannot be One solution is to make the part

slightly oversize and then machine off the filled-in surface so the carbon atoms can fill in the interior. Ultimately, about 90 percent of the structure is filled with carbon. Jerry S. Lee, director of research, said the resulting rotors are about one-fifth the weight of a comparable steel part, an attractive saving for an aircraft manu-

"For every pound less the

How to Make a Carbon-Carbon Part

Carbon-carbon is a composite material similar in manufacture to fiberglass. Carbon is deposited in a matrix of carbon, just as plastic resin is deposited in a matrix of glass cloth to form fibergia



The cloth is covered with a one another.

Many layers of fabric and

of the carbon matrix fibers

can be used to increase a

part's strength.

resin are shaped and cut to form the final part. Orientation



The mesh is denetited by adding resin and heating at or by breaking down a hydrocarbon gast into carbon and hydrogen. Carbon and hydrogen. Carbon and hydrogen.

The part is heated in the

off all elements but clarbon.
What remains is a black.

carbon mesh that is two

thirds empty space.

sence of inert gas to drive



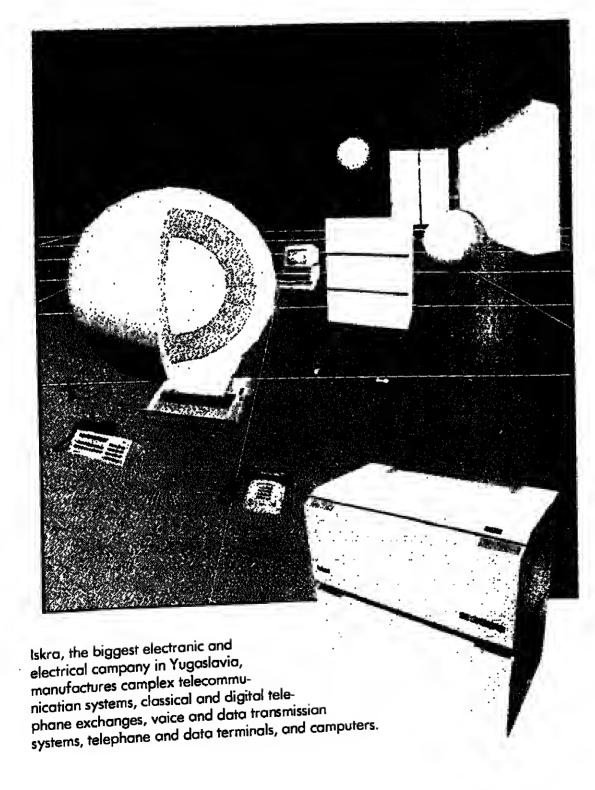
The part can be in a line necessary, and then a ceramic coating and emperatures.

brakes weigh, that's one more spacecraft is that carbon-carbon. pound of passenger you can put gets stronger as it gets hotter and aboard," he said.

One attraction for designers of high-performance planes and ing eagine increases as it operates

at higher temperatures, so if the material has the necessary physi-cal properties, it may replace met al alloys in jet engine turbines. The efficiency of any fuel-burn-

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U.S., Japan Face Eurochallenge

By Giles Merritt

RUSSELS - In the 21st century, the United States will find itself in third place in terms of technological strength, behind Japan and Europe. That is the view of top European corporate executives who were recently questioned in a survey conducted jointly by the Japanese business newspaper Nihon Keizai Shimbun and the New York-based business consulting firm Booz, Allen and Hamilton.

The idea that Europe might pull away from the United States as a high technology leader comes as something of a surprise since "Europessimism" and "Euroscelerosis" have been the dominant themes during most of the 1980s.

However, this view was not shared by either the American or Japanese executives questioned in the same survey. They, together with managers from the rapidly industrializing Asian nations of the Pacific Rim, foresaw Europe continuing to trail the United States and Japan in high technology research and in the development of new products.

In any case, there is undoubtedly a new mood of optimism in Europe about the outlook for key areas of research and technology.

In space, the Ariane project has brought Europe back into the race to develop satelliteborne communications and business systems. In certain sectors of the computer and semiconductor industry. European researchers are challenging the United States and Japan with innovative ideas that may render obsolete the products of their competitors.

In optical computing, for example, British researchers at Heriot-Watt University in Edinburgh are at the head of a European Communi-ty-sponsored project to develop light-driven

computers that may revolutionize data processing and telecommunications.

If the clumsy prototype "computing engine" that has been developed can be refined into a viable computer, then electronic computers could find themselves under threat. The use of laser beams instead of electrical currents gives light-driven computers speed and flexibility. European scientists in an EC-funded neuro-

computing project called BRAIN are also de-veloping "neural" computers that work more like the human brain than today's electronic computers. Elsewhere, Europeans are challenging U.S. and Japanese mastery in the areas of super-computers and semiconductors. A British-

French mini-supercomputer just launched by Thorn EMI and Telmat does the same high-speed job as, say, a U.S. Cray machine, but at a fraction of the cost. In semiconductors, the fraction of the cost, in semiconductors, the Europeans are developing new technology, even though in world markets they are still losing market share.

Inmos, the U.K.-based microchip company, has recently developed the T800 transputer,

which, it claims, is the most powerful chip now commercially available. In West Germany, researchets are harnessing X-ray techniques to the production of microchips with a billion microcircuits per chip.
In consumer electronics, a consortium of 30

European electronics companies, led by Philips of the Netherlands, Siemens of West Germany and Thomson of France, has just unveiled a new European high definition television (HDTV) system. The global market for crystal sharp HDTV equipment could be worth \$40 billion a year by the mid-1990s.

The common denominator in all these new high-tech projects is cross-border cooperation. Research programs that have been traditional-

European projects involving partners in industry and in research laboratories.

The cross-border research programs range The cross-border research programs range from Eureka, which is the European answer to the U.S. Strategic Defense Initiative, to the growing number of EC efforts. Chief among these is Esprit, where the EC has just doubled its information technology R&D budget to \$4 billion. Since its start in 1983, nearly 500 companies, universities and research institutes have taken part in 225 projects, with results that have included the development of the world's most powerful microchin. world's most powerful microchip.

But the battle to re-establish European in-dustry at the forefront of information technoldustry at the forefront of information technology is clearly far from won. Europe's share of the global production of electronics equipment, for instance, is disproportionately small. Last year, electronics ontput worldwide reached \$665 billion, and Europe accounted for \$163 billion of that. The U.S. share was \$264 billion and Japan's \$160 billion.

With the electronics sector growing at three times the rate of the international economy, its yearly worldwide output is forecast to reach \$1 trillion by 1992.

In Mackintosh, author of the book "Sun-rise Europe: The Dynamics of Information Technology," said that Japan's information technology sector is growing eight times faster than that of Europe, while the United States's is growing twice as fast as the ECs. Mr. Mack-itanh by manufacture and that when the medical intosh has warned that, when the worldwide information technology and electronics market reaches \$1 trillion, Europe's share will be only 10 percent, down from 25 percent in 1983.

CILLES MERRITT is a journalist based in

Launching Brings New Age in TV Closer

Continued from page 7

digitally in signal packets. It will eventually replace the existing Secam system in use in France and the PAL system used in West Germany and most of the rest of Europe.

D2-MAC provides the opportunity of trans-D2-MAC provides the opportunity of transmitting up to four million pixels, or points of light, onto the television screen, compared with about 300,000 under existing systems. This holds out the prospect of sharper, more accurate pictures, making possible the development of wall-sized flat screens by the end of the century, according to TDF officials.

TDF I is the first of a second generation of direct-to-home satellites that promise to turn Europe into a zapper's paradise within the next

Existing television satellites are low-powered, their signals relayed by conventional ground transmitters or by cable operators. Private citizens can receive the signals only if they have the space and the money to erect large Each of TDF 1's channels has a signal strength of 230 watts, powerful enough to require only a small antenna, 24 inches (60

centimeters) in diameter. In France, a typical dish is likely to cost about 2,000 francs (\$340).

The French satellite faces competition from Europe's first privately owned direct broadcasting satellite, the Astra, which is scheduled for launch on Friday on behalf of the Luxembourg-based Societé Européenne des Satellites. Astra will have 16 channels, four of which

have been booked by Rupert Murdoch, who

intends to broadcast free, advertising-funded television services — featuring news, sports, soaps and entertainment — into Britain starting next spring. Determined to be first into the market, Mr. Murdoch wants to avoid complications and

reduce costs by using the existing PAL broad-casting standard rather than the D2-MAC system. A rival service planned for late next year by British Satellite Broadcasting, using its own satellite, will be transmitted according to the D2-MAC standard. Astra is a medium-sized satellite, meaning

that its signals will be capable of being received with compact antennas in a target area much smaller than that covered by TDF 1. Even so, the signals from Astra will reach a potential 200 million viewers in England and Northern

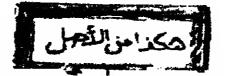
Europe, including those with the most buying power in the European Community.

Because the satellite is controlled by a company based in Luxembourg, Mr. Murdoch will be able to transmit free of the restrictions placed on British broadcasters by the government. Many critics have expressed the fear in letters to the British press and elsewhere that the Murdoch service's programming will be addressed to the lowest common denominator.

Mr. Murdoch has allied himself with Alan Sugar, head of the Amstrad computer and hi-fi company, to flood Britain with small dish antennas costing less than £200 (\$370) in the hope of creaming the market before British Satellite Broadcasting enters the field. Because they are in different parts of the sky, the BSB satellite and Astra will each require separate antennas, as will TDF 1.

On technical grounds, TDF 1 and its twins unlike the American-built Astra, are seen as an essential investment to keep Europe competi-tive in the future market for high-definition

BARRY JAMES is on the staff of the Interest



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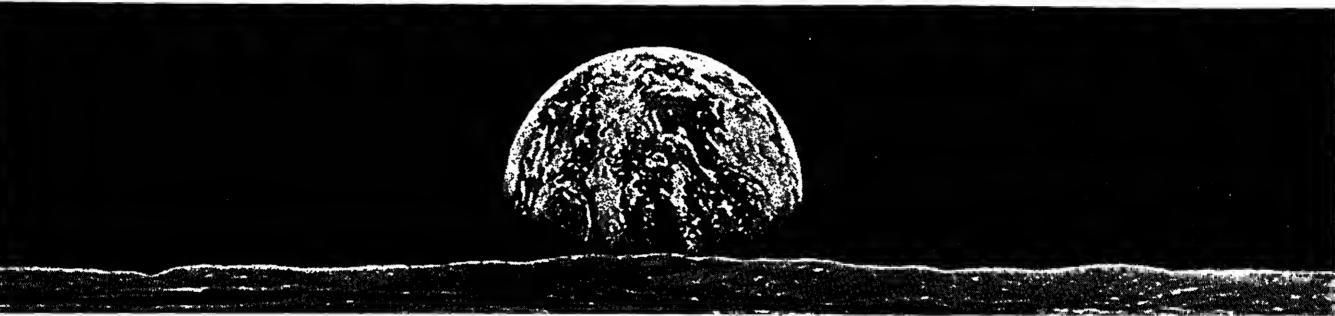
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Japanese Scientists Place New Emphasis On Basic Research

By Dana Lewis

NOKYO - At a research facility in the Tsukuna science city, north of Tokyo, Japanese scientists use the 30billion-volt energy of the world's most powerful electron-positron collider to break atoms apart into their component parti-

The collider, the centerpiece of the government-funded High Energy Physics Research Laboratory, draws scientists from around Japan and the world in search of fundamental

knowledge about the nature of matter.
"It's a means of demonstrating Japan's arrival in the field of basic research," said a U.S. official in Tokyo, who declined to be identi-fied. "Very little applied research is going to come out of it. The real questions are, "Will we discover new particles, and will we get the Nobel prize?"

Those are questions very different from what the world's scientific community has come to expect from Japan. Despite the vast sums of money that Japan pours into research and development. Japanese science has been criticized for concentrating almost exclusively on applied research that can be plugged right into the assembly line.

The handful of Nobel prizes awarded to Japanese scientists has been seen as proof, not least by the Japanese themselves, that the nation lacks what it takes to be creative in the sciences. And the country has been criticized for hoarding original work and not sharing it with the rest of the world.

There are signs, however, that the old myth is wearing thin. Leading Japanese corporations are putting as much as 10 percent of sales back into research and development, and many are building research labs to concentrate on basic

A recent survey by Nomura Research Insti-tute found that 68 of Japan's leading corporations are spending more on research and development than on capital investment. In fiscal 1986, according to an estimate from a U.S. National Science Foundation study, Japanese companies spent \$40.1 billion on research and development, of which 6.1 percent, or \$2.2 billion, was labeled basic research.

The government, too, has issued a rash of reports and white papers calling for a stronger commitment to open-ended fundamental research. More significantly, it has been digging deeper into its pocket for science.

Government research funding is now up to 0.58 percent of the gross national product, a recent survey by the Agency of Industrial Science and Technology shows. Government and private research and development together reached 3.29 percent of the GNP in 1984, the report found, passing the U.S. ratio of 2.89 percent. Real growth in research and develop-ment spending has averaged between 8 and 10 percent for the last five years.

The new commitment is showing results. In 1987, Japan was the largest foreign recipient of U.S. patents, obtaining no fewer than 17,288. Three Japanese companies — Canon, Hitachi and Toshiba — took first second and third place represents in the U.S. patents. place, respectively, in the U.S. corporate patent race. Japanese technology exports to West-ern countries grew 200 percent between 1976 and 1985 in yen terms, while technology im-ports, aithough still far larger in absolute value, rose only 60 percent.

Moreover, Japan is beginning to be recognized as a serious contender in a number of leading-edge technologies. In optoelectronics, semiconductors, low- and high-temperature superconductors, in certain areas of biotechnology, including fermentation processes, surface physics and even X-ray astronomy, the language are strong and growing stronger. Japanese are strong and growing stronger.
To many Japanese, though, the progress that has been made is far from enough.

"Certainly, there are some areas of basic research where Japanese scientists do excellent work," said Dr. Michio Okamoto, head of the Human Frontier Science Program for basic research in the life sciences that was first proposed by former Prime Minister Yasuhiro Nakasone at the Venice summit meeting in June 1987. "But overall, the quality of Japanese science is not that good," said Dr. Okamoto. "We still have a lot of work ahead of us."

NDEED, STATISTICS tell only half the story. "Most of the areas where the Japanese are strong are closer to extremely high-class applied high technology than they are to the very fundamental part of the spectrum," said a U.S. official, and many Japanese agree. Having 80 percent of research and development come from the private sector frees Japanese scientists from delense research, which accounts for 70 percent of the U.S. which accounts for 70 percent of the U.S. government's research and development bud-

But it also means that most companies are using their research money in-house in their own field, said Jiro Kondo, president of the Science Council of Japan.

"Top management is very short-sighted," Mr. Kondo said, "and wants to get profits out of its research expenditures."

The National Science Foundation estimates

that 25 percent or less of the corporate research and development spending labeled "basic re-search" is actually open-ended research unconcerned with economic applications.

Public sector research also has its problems. Rigid university hierarchies with their seniority-based promotion systems help stifle the creativity of young researchers, forcing them to



At Tsukuba science city, researchers are studying the nature of matter.

work for years under the thumb of senior

When Susumu Tonegawa of the Massachusetis Institute of Technology was awarded the Nobel Prize in Medicine in 1987, there was little rejoicing back bome. The frustrated researcher left Japan 20 years ago and said he could never have done his research in his native

Conformity is still more valued than risk in Japanese schools, from elementary school on, and that could mean continued trouble for basic research in the future, "Recently even the graduates of engineering departments are looking for high-paying jobs with banks and on the stock market," said Mr. Kondo of the Science Council. •

Given the problems, it may not be surprising that so few foreign researchers have chosen to work in Japan. Japan has been criticized for keeping its scientific discoveries to itself, but the charge seems to stem not so much from deliberate concealment as from the barriers posed by the Japanese language and from the fact that, until recently, little was happening in Japan to attract foreign attention.

The National Science Foundation has published a list of 123 Japanese corporate research labs willing to take on foreign researchers, while U.S. officials in Tokyo say they have had no problem with access to university and national labs, Yet, National Science Foundation fellowships for U.S. scientists to study in Japan

DANA LEWIS is a journalist based in Tokyo.

Cities Considering **Teleport Potential**

By Peggy Trautman

OLOGNE - World-class business centers have relied on shipping ports and airports to make and maintain their commercial contact with the

In a world where information and the power to transmit it are becoming an important com-modity, teleports are becoming a valuable asset for the world's major cities, and countries without them are scrambling to catch up.
Telecommunications users and analysts say

these sophisticated satellite communications facilities will play a significant role in Europe's development, and will help it meet the economic challenges of 1992. The United States has an headstart with

more than 30 teleports operational, planned or under construction out of about 50 worldwide. According to a recent Frost & Sullivan report, by 1995 there will be about 200 teleports in the United States, and Europe and the Far East will not be far behind.

"We're just seeing the start of a movement [in teleports] in Europe," said Peter Rus-bridger, a spokesman for London-based Mercury Communications. He added that teleports have played an increasingly important role when areas are being considered for business

ERCURY, a wholly owned subsidiary of Cable and Wireless, provides national and international communications services, such as electronic messaging, telex, packet data network services and voice messaging — the lifeline requirements of an ideal teleport. Its major success story is the London Docklands Teleport, a depressed area that became a com-munications capital. Supplemented by the use of new optical fiber cable systems, the Dockinds site forms a vital link between major British and U.S. business centers.

The London Docklands Development Corporation, in charge of regenerating the once depressed area, reports dramatic results since the teleport project began in 1981—including the creation of more than 22,000 new jobs. Newspaper companies are among the most recent arrivals to the area, leaving Fleet Street for modern telecommunications facilities.

In the Netherlands, the Port of Rotterdam and the Netherlands PTT Telecom joined forces to build a teleport equipped with a fiber optic network. Analysts say that the port one of the world's most important, handling more than 250 million tons of cargo and more than 30,000 sea-going vessels every year -

provides better than standard data communi-

In West Germany, the Bundespost's monopoly of communications has hindered teleport progress. In September, however, the Bundes post began a policy of liberalization, implementing a number of tariff reforms, and sever-

al teleports are now being planned.

The site attracting the most attention is project in the heart of Cologne, where 140,000 square meters have been cleared to construct

We're just seeing the start of a movement in Europe.'

an industrial center that officials hope will make Cologne the European capital for television communications and video arts. The development is being undertaken by the Media-Park Köln Development corporation along with the city of Cologne and the state of North

MediaPark developers are convinced that MediaPark developers are convinced that Cologne, with the help of its major television networks and progressive video arts university, will be the first city to host a complete media communications center with satellite links to the rest of the world. The facility will be a combination of conference centers, office buildings and apartments — all wired together in networks offering progressive value-added services such as electronic messaging, mailbox and telematics. The MediaPark is expected to be finished by 1992.

Businesses apart from the major media gi-ants are also interested in the site as a telecontmunications center. These include West Germany's electronics and computer giants Siemens, Nixdorf, Telenorma and Bosch.

The World Teleport Association held its last annual international conference in Cologne. As the president of the U.S.-based nonprofit organization, Robert Annuziata, said, "Preeminent cities can lose the pre-eminence if they do not develop and maintain their trading infrastructure."

PECGY TRAUTMAN is a journalist based in

Japanese Gain in Print Equipment

By Sally Adamson Taylor

ONG KONG — Although Honda has yet to match Mercedes in the luxury car field, the Japanese are winning part of the market away from the West Germans in another kind of machinery: printing equipment.

In Asia, where the prin ing faster than anywhere else in the world, Mitsubishi, Komori and other Japanese manufacturers are trying to prove that they can beat the Germans. Heidelberg, MAN Roland and Miller are the industry leaders, but the Japa-

nese are gaining ground with reliable, labor-saving technology and competitive prices.

"At the end of the day," predicted Mike Hancock, at Pira, the printing industries re-search association in Britain, "there will be two countries manufacturing printing equipment, the Germans and the Japanese." The British, the Italians and the Americans,

except in a few specific applications, have bowed out of the race. Yet, less than a decade ago, the Japanese were not even considered to be in the running.

"Five years ago, people here had no faith in Japanese presses," said Edward Yeung, whose Hong Kong company, Dynamic Printing Equipment Co., Ltd., represents Mitsubishi in Hong Kong and China. "It was a hard job, getting printers to switch over. Their decision on printing equipment is vital to their busi-

Printed matter is one of Hong Kong's top 10 exports, and it is growing by 20 percent each year. The labor shortage in the printing trades rose to 8.5 percent of the total work force this year. It is expected to get worse.

Singapore, another major export printing center in Asia, also has a limited and increasingly expensive labor pool. Printers there are moving their less labor-intensive jobs nextdoor to Malaysia. Japan is beginning to print in South Korea, and Hong Kong printers are setting up operations in Shantong Province in China — all for the same reason.

So Mitsubishi is introducing a new F-series es that it claims will reduc ready time to less than 10 minutes. Every minute counts in the printing busi-

ness, and all equipment manufacturers promote labor-saving techniques, such as sophisticated computerized inking systems, providing on-line integration of color-separation and printing systems, and automated cleaning and re-inking abilities.

HOOSING printing equipment has become a question of balancing labor-saving technology with a limited supply of skilled operators. Mitsubishi, which supplies over half the presses in the Japanese market, has sold 10 presses in Hong Kong and 52 in China. Although Mr. Young said that those figures are small compared to the sales of the Heidelberg presses, the growth rate is as much as 50 percent. He expects that rate to continue into the 1990s.

For the Japanese, the biggest hurdle is psy-chological. Among Asian printers, especially the Chinese, Heidelberg is considered "number one." These presses are made at the home plant in the German town for which they were named. Competing against other German manufacturers such as MAN Roland and Miller as well as the Japanese, Heidelberg works hard to stay on top of the technology.

Shipments of several models popular in Asia have failed to keep up with demand. As a result, some 5-year-old Heidelberg machines have a resale value equal or greater than their purchase price. Few printers want to miss this kind of investment opportunity, and many printers have been slow to even consider the Japanese competition. Even in Japan, Heidelberg has a strong market.

Japan is the world's biggest print market after the United States and it boasts some of the world's best printing. Companies like Mitsubishi and Komori have developed technology that relies less on the skills of a master printer and more on the computer chip and technically trained operators.

Komori, with sales and marketing in 44 countries, started marketing abroad in 1971. In 1983, it developed a computerized auto-register system using a three-pin system to position sheets on the press (most presses use a two-pin

Mitsubishi offers a system that allows a computer connected to the laser scanner to "read" the density and color values of the image being scanned and then feed that information directly into the printer, so the machine can print each ink — there are at least four in a full-color image — in exactly the best quantity to reproduce the original image.

"Automation is definitely where the Japa-nese will score," predicted Mr. Hancock. "The only problem now is to make it cost-effective."

SALLY ADAMSON TAYLOR is the editor of "Asian Printing" and author of "A Publisher's Guide to Printing in Asia."

Pacts Set Chain of Command in Space

Continued from page 7

This issue of the "peaceful" nature of the station was, in fact, the toughest part of the

In the final agreements, one between the 12 governments — Belgium, Denmark, France, West Germany, Italy, Netherlands, Norway, Spain, Britain, Canada, Japan and the United States - and the other between NASA, ESA and the Japanese and Canadian space agencies, the most prominent word is "consen-

A coordinating council made up of the four agencies and several subpanels will make decisions on a consensus basis. However, NASA will be the permanent chairman of all groups and will have the right to make final decisions if consensus is not reached. Also, the agreement makes it clear that if the

space station is in grave danger, NASA can step in and assume full control until the emer-In what the non-Americans consider a major

victory, there is no provision that the commander of the space station must be American. A pool of astronauts will be developed from all the partners, and the commander and other crew members will be selected from this based on competence and experience. The only rule is that the makeup of the crew

will reflect the relative stake of each partner in the space station, which is 12.8 percent European, 12.8 percent Japanese, 3 percent Canadian and 71.4 percent U.S.

Few doubt that the space station commander will usually come from NASA's well-trained corps of astronauts, but since the commander, like all crew members, will be rotated off the station every 90 days for health reasons, there

will be a chance for non-Americans to assume the top job.

All crew members will be considered as

nationals in their own territory when in space, but they will also subscribe to a strict code of conduct which is yet to be worked out. The code will lay down the chain of command, work standards, disciplinary rules and responsibility for equipment.

On the military issue, there is carefully worded language that says that each partner will respect existing treaties on the peaceful use of space in their space station activities. However, each partner has the right to define "peaceful purposes" for themselves. "The military section doesn't break new ground," said one source in Washington.

The main area where consensus will be important is in committee work to hammer out the operating and use schedules for the space station. The United States will provide the living supply modules, and a scientific lab and Japan and ESA will both have their own research modules. Canada will build the robot arm system to service the outside of the station and in return get space in the various laborato-

Each year the different committees will agree on a plan on who will do what on the station. It will cover the coming five years, subject to the annual update. In the early years, the work schedule will be heavily dependent on the availability of NASA shuttle flights. The Europeans were careful to demand specific rights of transport of their space station materials to Cape Canaveral for launch and return after landing.

After 1998, ESA hopes to have its own Hermes space shuttle flying with an Ariane 5 booster from its own South American launch

base. This will give more flexibility, especially for the Europeans to deploy their own man-tended free-fiyer, which will contain long-term

microgravity experiments.

The non-American partners also won language to ensure that the strict U.S. rules on transfer of sensitive technology abroad will not hamper space station operations in which the international crew will necessarily become fa-

miliar with U.S. equipment.
Overall, the Europeans believe both they and the Americans made substantial compromises to get the program moving. From the U.S. side, there was good reason to bend a little. NASA was barely able to get \$900 million, the minimum needed to begin actual construction work on the space station components, out of Congress in its 1989 budget. This coming year it will have to ask for more than

NASA officials readily admit that the strong financial commitment of other nations to the project is a major selling point in these budget battles.

Ironically, ESA, which went through several years of internal squabbling over whether to pursue the space station cooperation with the United States or its own independent space effort, reached a new political stability in late

A basic decision to follow both courses and integrate the effort, gave the Europeans a strong bargaining chip which they appear to have used successfully in dealing with the United States. The implicit threat to go it along if necessary was the key that made the talks with the United States go so well.

PAUL KEMEZIS is a freelance journalist who writes frequently on data communications issues.

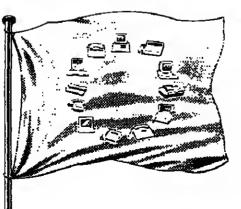


Jeumont Schneider in France and Télénorma la German subsidiary of Robert BOSCH) have joined forces to create in Europe a new concern which is even now able to offer: ■ data-processing, office-automation and telephone equipment (capable of carrying between 2 and 12,000 lines - and more).

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etwork Derek Jacobi Rules Over 'Richard II'

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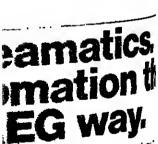
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By Sheridan Morley

International Herald Tribune
TONDON — To the Phoenix L. Theatre, only recently vacated hy Kenneth Branagh's Renaissance Company, now comes another example of actor power: Derek Jacobi with his own company in a knightly double of "Richard II"

THE LONDON STAGE

and (after Christmas) "Richard HI." The productions are in part financed by the Kennedy Center to Washington, where they will end up next year.

For a definition of blazing Shakespearean stardom, you would do well to start here: Jacobi takes Richard II not so much as the traditional poet king but rather as the actor king, a man forever testing his own theatricality against those around him, hoping almost to the last that yet another great speech might get him out of prison and back to his usurped throne.

Jacobi's command of the verse, his ability to switch from gay despot to defeated husband within a few dozen lines, is immensely impressive and powerful, which is more than can be said for its sur-

Denied the economic resources of a subsidized permanent compaoy, Clifford Williams has gone for an uncharacteristically plodding and pedestrian production in which other players are apt to back respectfully upstage whenever Ja-

By David Stevens

PARIS — The Boston Symphony Orches-tra is on its first European tour in more

than four years with its music director, Seiji

Ozawa; two weeks with 11 concerts in 10

cities, and there are some decidedly unusual

: The musical baggage of a great orchestra

on tour generally includes a little something

for everybody - something to the tradition

of the orchestra, something to show off the skills of the band, nothing that the local concert organizer considers beyond the intel-

Tradition, with the Boston Symphony, in-

cludes above all its reputation as the most

:"French" of American orchestras, an intima-

cy with French repertory and style that ex-

tends from Monteux in the 1920s through

Koussevitzky and Munch, and is sustained

aspects to the enterprise.

ectual stretch of his public.

ional Herald Tribune



Jacobi's command of the verse is immensely impressive.

daunting Ninth Symphony, vast in time span

(75 minutes or so), musical scope and emo-

tional content. By itself it makes all the

demands one can reasonably make on both

orchestra and public. At the opening concert

to London last week, it was programmed

with Webern's Five Pieces for Orchestra, but

at five other concerts - including Berlin on

Wednesday and twice in Vienna Saturday

. This argues that it is time to retire the option of a "Mahler revival" — his music has

for some time been part of the mainstream

repertory and a surefire box-office offering.

especially when the orchestra is a major one

with real strength in the winds and brass.

Still, the Ninth - which ranges from the

hammer-blow premonitions of death to the

first movement, through the satirical, gro-

tesque evocations of the human tragicom-

and Sunday - it is the entire program. .

Eddison as the dying John of Gaunt gives a performance in any way able to challenge Jacobi's. A slow-starting and at best work-

manlike if soulless rendering of the text only comes to life when its star is moving into another of the clas-

Rather more experimental house in Covent Garden, where know the play, and oever to let it cobi opens his mouth. Only Robert Declan Donellan's award-winning drift into mere recital. Every scene from last year hy the Avon, John some sort of a future.

Cheek by Jowl company give us the fourth "Tempest" of the year. After John Wood (Stratford), Max von Sydow (Old Vic) and Michael Bryant (National), Timothy Walker's

punkish Prospero is rull of sur-

prises, not least during the opening

storm scene which he orchestrates as a director in dark glasses. Donellan's determination would Shakespeare at the Donmar Ware- seem to be never to let us think we

Furthermore, the Mahler to question is the concert to Paris was sold out loog before-

of all stripes.

Ozawa Conducts a Bostonian Mahler 9th

second half now seems to be taking chilly Gulag intensity. place backstage at some nightmar-

noises, or a poetic ringmaster break-ing his magical staff, or even B Shakespearean farewell to classical often inclined to backfire toto gim-stricter confinement. mickry, but equally often manages through its own manic energy and invention to give us fresh insights

The idea of setting the play back-stage, so that Prospero is forever directing his islanders and their in-vaders in a series of magical are Cheek by Jowl troupe is young and talented but even they seem a little hesitani at some of the improvisations thrust on them. None of the players, not even Cecilia Noble as a beautiful black Miranda, seem to

have the confidence to retrieve the verse from the group vocal exercises. If you know the play well, these variations on its themes may hold the attention since the production is extremely hrisk; if oot, wait for the Royal Shakespeare Company revival to come into the Barbican

from Stratford next summer. Already into the Barbican Pit who alone can still think about

hand, and Sunday the Salle Pleyel was

packed to the back wall with Japanese Pari-

sians, American Parisians, and Mahlerians

Both cooductor and orchestra were true to

themselves. Ozawa conducted with his cus-

tomary alertness and precision, neither

slighting oor theatricalizing the outrage and

desolation to the score, but delivering a

rounded, coherent statement of a work that

stands at the thresbold of the century.

Ozawa's balletic comportment on the podi-

um, with elaborate and detailed cueing, was

sometimes evocative of the famous shadow-

The Bostonians are the least flambovant

of the great American orchestras, with col-

lective and individual virtuosity there when

needed, but not insistently. The sustaining of

the final bars, Adagissimo and ausserst lang-

sam, was so beautifully managed that the

dead silence in the hall lasted a good three or

four seconds before the sustained ovation

began. This much restraint will probably

pictures of the composer conducting.

and every character has been re- Caird's production of "A Question thought, the King of Naples has of Geography by John Berger and even changed sex, and much of the Nella Bielski has lost none of its

Set in Stalin's labor camps durish Victorian music-hall presided over by Stephano and Trinculo. tells across three hours of one Those still expecting an isle full of mother, hearthreakingly wellplayed by Harries Walter, reunited with a teen-age son after a 15-year separation and achieving a kind of greatness, will be disappointed. In-domestic happiness with him and stead we get an ever-lively, revolutionary rethinking of the text that is from them and sent back into

Unlike "Ivan Denisovich," the Berger/Bielski script focuses on the minute details of life on the fringes

vaders in a series of magical charades, might have worked better in the hands of Peter Brook. The Cheek by Jowl troupe is young and far away, an almost Chek by Jowl troupe is young and the reading of letters from ages ago and far away, an almost Chekhovian picture of Russian life is assembled during which the terror is oot of distant trees being chopped in some cherry orchard but of whole lives being wasted or

destroyed in subhuman conditions. The Royal Shakespeare Compa-oy's belief that all shows in its London Pit should last at least three hours once again weakens the impact of a script in desperate need of cutting by at least balf an bour. but there are haunting performances from Mark Dignam as the old violinist, Clive Russell as the doctor and Linus Roache as the teenager

Those whose acquaintance with the or-

chestra goes back a way may have noted that

the roster of extra players brought along for

the Mahler included some former stalwarts

- Samuel Mayes among the cellos, Ralph

Anthooy Dwyer (flute), Sherman Walt (bas-

The tour repertoire includes the Mozart

Sinfonia Concertante for oboe, clarinet, bas-

soon and horn, which gives a quartet of BSO

first-deskers - Alfred Genovese, Harold

Wright, Sherman Walt and Charles Kava-

lovski — a chance to step forward. Other

concerts toclude Beethoven's Symphony No.

7 and a single performance (to Frankfurt next Tuesday) of Mahler's "Kindertoten-lieder," with Jessye Norman as the soloist.

Remaining concerts are: Dec. 7, Berlin

Mahler); Dec. g, Hannover (Mozart, Tchai-

kovsky); Dec. 10-11, Vienna (Mahler); Dec.

13, Frankfurt (Webern, Mahler, Tchaikov-

sky) and Dec. 14, Munich (Webern, Mozart,

soon) and Burtoo Fine (viola).



After their "introduction to beauty," 98 percent of the boys go on to college.

The Boys Choir of Harlem: 'A Clarion Call to Optimism'

By Mike Zwerin

onal Herald Tribu PARIS — The Boys Choir of Harlem, currently touring Europe, has bullet holes in the walls and armed guards in the parking lot of its New York headquarters on 127th Street, between Malcolm X and Adam Claytoo Powell svenues. The neighborhood has

been called "the drug capital of Harlem." Something like 72 percent of the children who enter the umth grade in those parts do not graduate from high school and about 25 percent of all high school students read well below grade level, if at all. The usual depressing news. But there is a statistic to warm the hearts of those who have faith in the healing power of

Although, according to their business manager Todd Barkan, 75 percent of the choir members are raised by one parent — the same as for the neighborhood to general - 98 percent of them enter college when they leave. As part of a rave review, The New

York Times interpreted the choir's success as "nothing less than a clarion call to optimism." The faith and power of a human healer must also be credited. The choir was founded in 1968 as the Ephesus Church Choir of Central Harlem by its executive director, Walter Turnbull. A tenor, he has sung Alfredo in Verdi's "La Traviata" and Tamino to Mozart's "The Magic Finte," has been soloist with the Gomberg among the oboes — while the active roster still holds the names of Doriot

New York Philharmonic and other major orchestras, and has a doctorate from the Manhattan School of "Children who roam the streets usually do so because they have nothing better to do," says Turnhull.
"One of the most rewarding experiences for a child is
to be creative. Introduce children to what beauty is at

the age of eight and they will look for it the rest of their

One former member describes the choir, which rehearses six days a week, as "a lesson on how to live more than bow to sing." Before the first European tour in 1979. Turnbull taught some of the younger boys the proper use of knives, spoons and forks. A tutor and a counselor are present on all tours. The 35 boys between ages 8 to 18 must keep diaries on the road (about 100 concerts a year) and maintain at least a B average in school. They all read music and know enough theory and harmony to understand what a

pianist. The repertoire ranges from Handel and Bach to gospel music and spirituals by way of Leonard Bernstein's "Chichester Psalms," Kenny Burrell's "Coocerto for Guitar and Boys Choir," Clifford

Brown's "Joy of Spring," and "Celebratioo" by Kool and the Gang. In a brochure titled "Voices of Hope," a member explains why he always wears a necktic now. "I got fed up with the fact that every time I ran for a bus every little old lady would grab her purse and look at me in fear just because I am black and all black kids in the city are purse snatchers and drug users. The experience with the choir has given me self-respect. . . Now

when I approach someone to ask the time or directions, they greet me with 'Can I help you, Sir?' The boys have become role models for what black children are capable of with some direction and purpose. In the United States, the audience is mainly hlack, including many family groups. In dire oced of good oews about minorities, the media have been supportive. ABC-TV's "Nightline" devoted a halfhour program to them. The Wall Street Journal ran a froot-page feature. A Boston Globe review said the

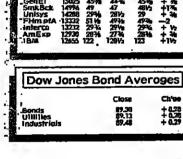
choir sang "with aplomh, brio and gleaming stage savvy," and the New York Daily News found the choir splendidly disciplined." Todd Barkan hooks the choir through what he calls a "social network" of black fraternities, sororities and professional organizations who are "committed to educating black children. Each one may have hundreds of thousands of members. It's strange, there are no handbooks or guides listing these organizations. You just start to work with, say, a chapter of the sorority of black schoolteachers and you ask someone if they know anybody in South Carolina and she might say Mabel's down there and you talk to Mabel and

then she knows a woman to Tallahassee. If there were

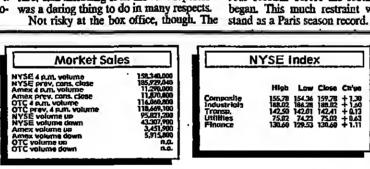
six choirs I could book six times as many concerts." The choir has performed to Avery Fisher Hall and Carnegie Hall to New York, Orchestra Hall in Chicago, to the White House, for an opening session of the United Nations General Assembly, It recorded a commercial for Levi's. Last year it performed for the Montreux and North Sea jazz festivals, to London's St. Paul's Cathedral, Tokyo's Budokan Hall and the Maxim Gorky Theater in East Berlin. The current tour includes the Auditorium Maurice Ravel in Lyon (Dec. chord is and what part of it they are singing. They are 7), Royal Albert Hall in London (Dec. 20) and the accompanied by a jazz rhythm section and a classical Palais de l'UNESCO to Paris (Dec. 21).

couple of performances of Tcharkovsky's tion — is anlikely ever to become everyday "Pathetique," the orchestra is voting a fare, and including it in the tour repertoire straight Viennese ticket - Mozart, Beethoven, Mahler and Webern. NYSE Most Actives

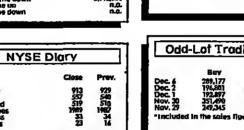
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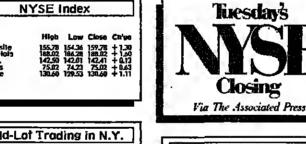


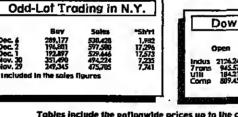
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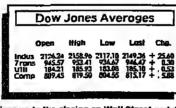


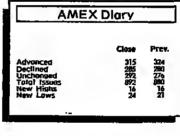


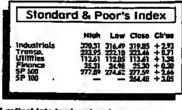


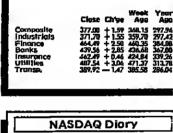


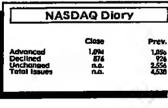
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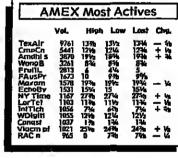








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.Y. Stock Prices Post Gains

NEW YORK -Stock prices closed higher in moderate trading Tuesday on the New York investors. Stock Exchange, as blue-chip shares led broader market issues in an extension of Monday's rally. The Dow Jones industrial average, which jumped 31.38 points Monday, rose a hefty 25.60

Advances led declines by about an 8-5 margin. Volume totaled about 158.3 million shares, up from 144.7 million shares traded Monday. Broader market indexes also posted gains. The New York Stock Exchange index rose 1.30 points to 155.78. Standard & Poor's 500-stock index rose 2.66 to close at 277.59. The price of an average share gained 27 cents. Stocks were helped late in the session by an

unconfirmed report that the Soviet Union would propose sharp troop cuts, market analysts and traders said. Such a move may lead to less U.S. spending on defense, thereby reducing

Analysts were encouraged by the market's ability to extend gains won in the previous session. The extension came amid a stabilization of the dollar and some improvement in Ron Doran, head of institutional trading at

First Albany Corp., said the market saw some futures-related trading late in the session. Stock futures traded at sharp premiums to the cash indexes, giving investors a chance to profit from

showed a larger-than-expected jump in non-farm payroll jobs, eased concerns among equity

Research Corp., said the market was in an oversold condition, giving some investors an excuse to leave the sidelines to get tovolved prior to the year's end.

Long Island Lighting was the most active issue, off 1½ to 12½. A Brooklyn federal jury Monday found the utility company and its

former president violated a racketeering statute, opening the door to a class-action suit that could involve almost \$2 billion in damages. RJR Nabisco followed, up 1/4 to 911/4. Kohlberg Kravis Roberts & Co. said it will amend its tender offer for the food and tobacco giant to conform to a \$24.88 billion merger agreement struck last week between the two companies.

Upjohn was the third-most active issue, off ½

to 274. A Smith Barney analyst lowered her opinion of the stock.

IBM rose 1½ to 122. AT&T rose ¼ to 29½.

Among other blue chips, Eastman Kodak was up ¼ to 45¾, American Express was up ½ to 28%, General Motors was up 11/2 to 87% and

Philip Morris, which completed its Kraft deal on Monday, was up 1 to 984. British Steel fell 4 to 114. The British government Monday launched its sale of the com-

The American Stock Exchange index rose the futures and buying the underlying 0.61 to close at 297.36. The price of an average share gained 2 cents. Advances led declines by a Mr. Doran also said the Federal Reserve small margin. Volume totaled about 11.3 mil-Board's failure to raise the discount rate, which lion shares, down from about 11.9 million tradthe market has been expecting ever since No- ed Monday.

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First Boston Merger Set

At Relatively Low Price

By James Sterngold
New York Times Service

The end result will be a single holding company that will own both First Boston and Credit

Bordeaux Wine Sales in 1988 Seen Topping 10 Billion Francs

Agence France-Presse

BORDEAUX, France — Sales of French
Bordeaux wines should top 10 billion francs
(\$1.7 billion) for the first time in 1988, Francis
Fouquet, president of the regional winemakers'
association, said on Tuesday.

More than 240 million bottles, worth about
4.5 billion francs, will be exported, according to
the Bordeaux Interprofessional Wine Commit-

The merger talks themselves were marked by conflicts, the proxy indicates.

But the most unusual aspect to the filing is its discussion of the merits of the \$52.50 price the companies will offer First Boston's sharehold-

the Bordeaux Interprotessate.

The 1988 harvest would be 200,000 hectoliters (5.2 million gallons), more than the originally forecast 5.10 million hectoliters, he added.

Bordeaux is the largest of France's designated winemaking areas, with 94,090 hectares (232,402 acres) allowed to label its produce as Bordeaux wine.

The committee's members said there had been a large increase in the number of applications to have produce upgraded to 'appellation controlee' which is a guarantee that all the wine sold in a bottle comes from the vineyard marketing it Suisse-First Boston.

Credit Suisse, the Swiss banking giant, will hold 44.5 percent of the holding company.

The merger was required, the companies have said, because First Boston were increasingly competing against each other rather than cooperating to expand their businesses. keting it

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New York Times Service

The previously announced merger agreement between First Boston Corp. and its London-based affiliate. Credit Suisse First Boston, was done at a significantly lower price than an outside investment bank had originally termed fair for shareholders, according to First Boston's just-released proxy statement.

The \$52.50 price finally agreed upon was \$2.50 a share lower than the minimum that Dillon, Read & Co had set just a month before the deal was announced in October. It is comparatively lower than just about any other acquisition of a Wall Street firm in the last seven years, according to the proxy statement.

The price was also near the bottom of a range The price was also near the bottom of a range of values that Dillon, Read ultimately set on First Boston's stock, from \$52 to \$60.

The proxy statement, a required regulatory filing, describes the merger as growing out of a series of intense conflicts between the two securities firms that could not be resolved through

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MADISON AVENUE

'Gloom and Doom' Is Out, 'Goose Bumps' Are In

By BRUCE HOROVITZ

Las Angeles Times Service

OS ANGELES — Pepsico Inc. is about to give glasnost a taste of Madison Avenue razzmatazz. Forget those Pepsi commercials that featured Michael Jackson moonwalking and Michael J. Fox rain dancing. This moonwalking and Michael J. Fox rain dancing. This week, the soft drink giant's New York advertising agency has sent a crew of 23 people to Moscow to film a flashy Pepsi commercial—portions of which will be shot at Red Square.

By jetting halfway around the globe to film this ad, literally, in Mikhail S. Gorbachev's back yard, one of the nation's most closely watched advertisers seems to be sending a signal that could echo throughout much of the ad industry in 1989.

Those anxiety-ridden commercials for companies like Ameri

Those anxiety-ridden commercials for companies like Ameri

can Telephone & Telegraph Co. and Wang Laboratories Inc., which featured brief glimpses of tense, corporate conflicts, may be on the way out. Indeed, advertisements that sometimes looked more like commercial wakes than commercial breaks may be upstaged next year by ads

Consumers are tiring of advertising that is intent on depicting reality.

charged with entertainment.

"Enough of the gloom and doom," said Philip B. Dusenberry,
chairman of the New York office of Pepsi's longtime ad agency,
BBDO Worldwide. "Sure, advertising will continue to reflect
real-life situations in 1989, but it will be real life made exciting."

The story line of the Pepsi commercial is simple: Swiet kids

The story line of the Pepsi commercial is simple: Soviet kids drink Pepsi — and wear blue jeans — just like their American counterparts. Pepsi, after all, has been sold in the Soviet Union since 1974. The commercial, among the first by major American advertisers filmed completely in the Soviet Union, will not be seen until the Grammy Awards air in late February.

Of course, this more upbeat look to advertising will not occur overnight. And some advertisers, like Wang, will continue to present stark slices of corporate life in their ads. "Changing tastes don't happen on a calendar-year basis," pointed out John M. Connors Jr., president of the Boston-based ad agency, Hill, Holliday, Connors, Cosmopulos, which creates ads for Wang.

BUT THERE IS a growing feeling among some of the nation's top ad executives that consumers have begun to grow tired of advertising that is more intent on depicting reality than on entertaining. That trend became especially popular after the plunge in stock prices last year.

"The gloom and doom is doomed," said Theodore Bell, president of Leo Burnett Co. in Chicago. His company created the current "New Generation of Olds" campaign for Oldsmobile that features children and grandchildren of calchdidge like White

features children and grandchildren of celebrities like Elvis Presley and Norman Rockwell. "The Olds campaign will get even

more upbeat next year," said Mr. Bell.

Meanwhile, Seven-Up Co. plans to kick off a "far more passionate" ad campaign in February, said Russ Klein, the soft drink maker's senior vice president of marketing. Replacing the current mellow ads of people prancing around in the rain drinking 7Up, the new commercials — also created by Leo Burnett — are the kind that will give goose bumps," said Mr. Klein.

One 7Up ad features the Olympic gold medal winner Jackie

Joyner-Kersee celebrating a long jump win by passionately bugging her husband while holding a bottle of 7Up. Another emotional ad is about a teen-age couple who, while sipping 7Up, settle a heated argument outside a loud party.

Even the ad agency generally credited with starting the trend of stark advertising says that it expects to back off from that in 1989. "I don't think you can go on with that style ad nanseam," said Norman Berry, chairman of the New York office of the ad agency Ogilvy & Mather. As a result, Ogilvy's upcoming ads for AT&T, will likely be lighter in tone next year, he said.

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Moscow **And Ford** In Talks

Scorpio Assembly At Gorky Is Seen

DEARBORN, Michigan — Ford Motor Co, has announced it

Ford Motor Co. has announced it is holding talks with the Soviet Union to produce U.S. cars there. A Ford spokesman said on Monday that the company had signed a confidentiality agreement with the Soviet government covering negotiations on the production of Ford vehicles in the Soviet Union. He added that no details of the talks were being released.

were being released.

There had been speculation that
the Soviet Union would allow Ford to produce cars at an auto plant in the city of Gorky if the company would modernize the factory, which it built in the 1920s.

It has also been removed that the pact might call for Ford initially to import parts for assembly, but gradually increase the level of Soviet-built components.

The program would involve Ford's European subsidiary. Alexander Trotman, chairman of Ford of Europe, told the weekly magazine Automotive News that he hoped a deal with the Soviet Union could be completed by the first quarter of 1989.

There are still lots of problems to be addressed, including all of the details of the general trade agree-ment, which will deal with currency, taxes, ownership, work permits and so forth," be said.

Automotive News reported that Ford most likely would build 100,000 Scorpio models annually at the Gorky plant. The publication said 50,000 vehicles would be for military use, 25,000 for official or private use and 25,000 as taxi cabs. The Scorpio model expected to be built in the Soviet Union is seen

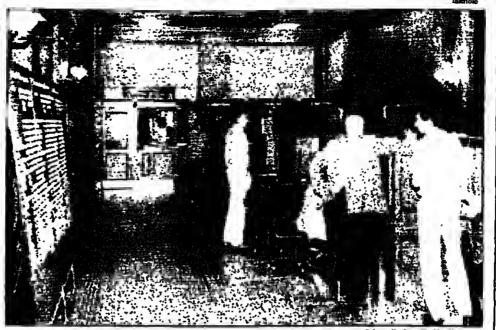
as a replacement for the Volga hixury car now produced at Gorky. Ford is one of seven U.S. compa-nies participating in a consortium that is exploring potential business ventures in the Soviet Union.

In December 1987, Harold A. Poling, vice chairman of Ford, said Soviet officials had approached the company earlier in the year about several production possibilities.

Mr. Poling said that Ford had seriously considered Soviet production in the late 1960s. (Reuters, UPI)

Signs of economic change in Hungary include the securities trading room at the National Development Bank and the appearance of Western banks, such as Citibank, in Budapest. The





Hungary Pays for Freer Markets Reforms Require Upheaval of Its State-Run Economy

By Jackson Diehl

Washington Past Service
BUDAPEST — Hungary's fledgling stock exchange, which meets in a plush bank conference room here every Tuesday morning, offers a curious

picture of boom and bust these days.

Traders spend much of the time excitedly discussing the dramatic changes due to come next year, when the conset of mass share ownership in Himgary is to catapult this armchair market onto a Western-style trading floor bristling with tele-

phones and computer screens. But the traders also have a grimmer task each week: looking for ways to avert the collapse of the \$600 million bond market already built up over the last several years. As Hungary's economic managers have gingerly sought to construct the foundations of capitalist markets, tens of millions of dollars in bonds were sold to citizens at fixed

interest rates before the securities were suddenly undermined by a surge of inflation this year to 20

UNICEAN

"We had two choices," said Illona Hardi, the soft-spoken manager of the exchange, "Either let the bonds sink to 70 to 75 percent of their face value in trading or arrange a state bailout. We've chosen the bailout because otherwise the crash

would destroy our market in its infancy." The mixture of wondrous opportunity and awkward beginnings tells a lot about where the economy of the Soviet Bloc's most reform-oriented

country is headed. At the same time, Hungary's planners are finding that the transition from state economic manment to the market system only begins with the establishment of the market's formal mechanisms,

"If you want to put through radical reforms, you See HUNGARY, Page 19

Grenfell Shakes London Markets With Layoffs

By Warren Getler

LONDON - Morgan Grenfell Group PLC, the British investment bank, shook the London financial markets Tuesday with the announcement of a summary dismiss-al of 450 employees in a cost-cut-

ting measure.
At the same time, the institution said it would withdraw completely from market-making in equities and government bonds.
"This is textbook stuff," said

Rod Barrett, B leading London banking analyst with the U.S.owned stockbrokerage, Hoare Govett. "We have textbook overcapacity in London and now have a textbook shakeout."

Financial analysts immediately speculated that the move thought to be the single largest job cut among London financial institutions in recent memory — would spark further major layoffs in the struggling securities sector.

"The U.K. securities business is

losing £10 million (\$18.7 million) a week, said Alan Broughton, a banking analyst with Morgan Stan-ley International. "This is not a sustainable scenario, and Morgan Grenfell's action today will focus attention among existing players on the profitability," of their own securities operations.

The sector has been battered by sluggish equity-and-bond trading volume, reflecting the effects of the stock market collapse in October 1987 and a recent wave of dismal British trade figures.

The volume of trading in equities on the London Stock Exchange in recent months has remained at about half its level prior to the October 1987 market collapse,

Within the past 18 months, an estimated 7,000 to 10,000 persons have been laid off at various banks and brokerages in London. Some recent forecasts have pointed to a possible shakeout of as many as

50,000 jobs by 1990.

Morgan Grenfell said it would withdraw completely from its un-profitable British market-making operations, where traders buy and makers are, to a large extent, reliant on volume of trading in an already

fiercely competitive arena.

The British bank said it was taking an initial charge of £10 million. relating to the layoffs and counseling of affected employees.

It said that its restructuring would focus company resources on Morgan Grenfell's profitable merchant banking fund management and consultancy operations. The bank said it would also retain its

stockbrokerage.
The bank said that its equitiestrading division posted an operat-ing loss of £18 million in the first 11 months this year, and that its bondtrading operation recorded a loss of £4.5 million in the same period.

Morgan Grenfell said in a stateent: "The board does not believe that market conditions will improve sufficiently in the foresceable future to allow Morgan Grenfell in its present form to achieve adequate profitability." The bulk of the losses in the securities division came in the last three months.

In September, the bank announced a hefty 53 percent drop in group pretax profit to £22 million pounds for the first half.

Analysts said the retrenchment by Morgan Grenfell was a symptom of too many investment houses chasing too little business. As a result of the wide-scale deregula-tion of Britain's securities market in 1986, the number of firms in the British market-making sector jumped from five to 32 in equities

With the proliferation in the number of competitors came an explosion in overhead costs for many of the key players, as banks tried to secure top trading talent.

Morgan Grenfell, which had been one of London's largest market-makers, is now paying the price for trying to be a full-service, integrated investment bank without the resources to make an adequate return on its investment, analysts

Others institutions in the City, London's financial district, are facsell equities and government ing identical problems, observers bonds called edts, on the compassaid. Foreign-exchange operations my's own account in an attempt to are seen as the only clear profit make a profit for the bank. Market centers for many struggling firms.

Pöhl Sees Worldwide Expansion

By Ferdinand Protzman

International Herald Tribune
FRANKFURT — Karl Otto Pohl, the president of the West Germany central bank, said on Tuesday that he sees good chances for the global economy to continue its course of noninflationary growth in the coming year.

Speaking at a luncheon of the American Chamber of Commerce in West Germany, the Bundesbank president said that while an array Per S 22635 * 6,9637 * 172,33 1 5,975 26,15 25,365 1787,00 8* 1,673 37,00 of positive factors is driving eco-nomic growth, the two items likely to play a determining role next year are the economic policies of U.S. President-elect George Bush and continued adherence to anti-infla-tionary policies by central banks of the major industrial nations.

"On both these counts I think we can be confident about economic growth next year as well," Mr. Pohl said. "We have a chance of experiencing the longest economic up-turn of this century."

Mr. Pohl said that he was astonished at the global financial markets' largely negative reactions to the election of Mr. Bush on Nov. 8. "It has, astonishingly enough to me, been very critically received." Mr. Pohl said. "I think this is not right. I'm reluctant to pass political judgments, but the team that is

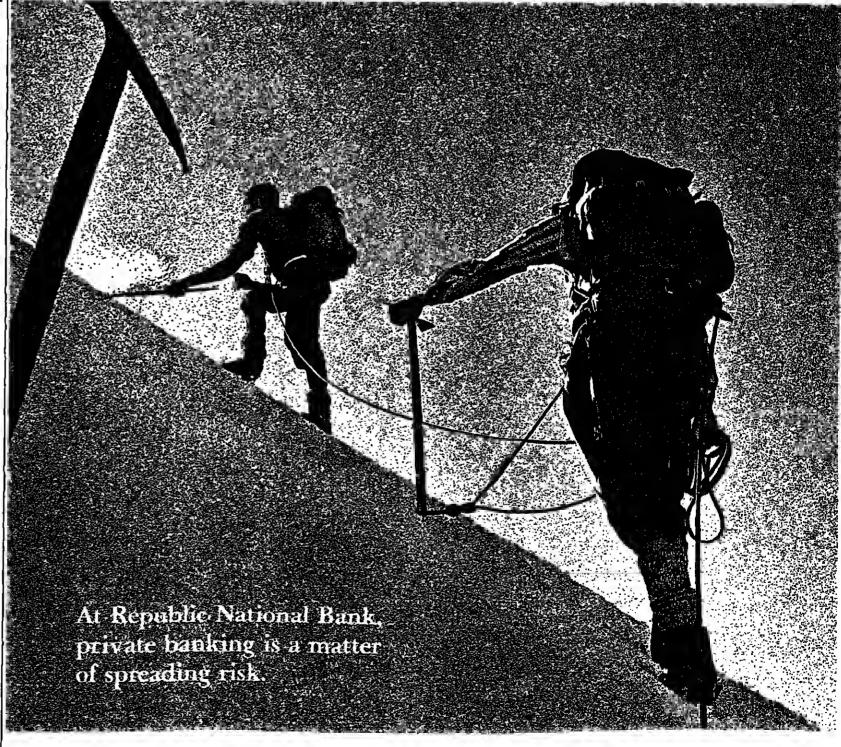
nancial policies in America, and I've known them all for many

years, is very professional and very Following the election of Mr. Bush, the dollar fell sharply against other major currencies in foreign exchange markets and stock prices on Wall Street and other major stock exchanges skidded lower on fears that Mr. Bush's vow that he would not raise taxes would limit efforts to reduce the U.S. current

account and budget deficits. The second factor that Mr. Pohl said he saw as a condition for continued economic growth is the anti-inflationary policies of the central

"Unlike the 1970s, we have a relatively high level of real interest rates," he said. "This is good because it has prevented inflationary expectations from forming. The U.S. Federal Reserve has followed a relatively restrictive monetary po-licy if one overlooks the phase after

"It is correct that we have followed a comparatively expansive monetary policy for three years in a row because we are a surplus nation in contrast to the U.S. and we must make a contribution to the adjustment of the current account lances," Mr. Pohl added.



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Gold

A Key Executive in PCs Leaves IBM for Xerox

By John Markoff

New York Times Service NEW YORK - William C. Lowe, a key executive at International Business Machines Corp., Personal Computer and PC-AT has resigned from the company ai- products. ter serving as a lightning rod for Critics have said that the decicriticism of IBM's personal com-

Mr. Lowe was the architect of IBM's entry into the personal computer marketplace in 1981 and has months, industry analysts said. tion on difficulties facing the computer giant.

by competition from clone machines. The company has struggled in its attempt to differentiate its profitable mainframe computer IBM. line from increasingly powerful and inexpensive workstations and personal computers.

Mr. Lowe's resignation had been rumored for six months, but IBM executives on Monday denied that his departure was related to infight-ing surrounding the company's PS-2 personal computer line, intro-duced in April 1987.

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The new PS-2 computers have a feature known as the Micro Chancoch, for handling data, that is incompatible with the original IBM Personal Computer and DC AT this seemed like such a great opportunity."

It is seemed like such a great opportunity than trying to preserve the mainframes markets.

In the aftermath of Mr. Lowe's departure, IBM restructured its

The PS-2 line has been slow in gaining acceptance, although it has not think that Mr. Lowe's depar-

selling well. In recent years, the IBM personal computer line has been battered Monday that they did not think Mr.

Mr. Lowe had been shunted aside,

president and general manager of position in shaping the company's neering systems in the entry systems division.

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bringing its technology from the departure, IBM restructured its laboratory to the marketplace and personal systems division into two that he thought the company had groups, splitting powerful work excellent technology that would stations off from personal comput-

us well in the future," he said that IBM was spending equally on Industry executives said they did

been showing strength in recent months, industry analysts said.

This months industry analysts said.

This stoop bad to have Bill Lowe go," 1985. His departure focuses atten-"Within IBM, one person changing of IBM's data systems division doesn't signify a whole strategy

> but that his chances for quick ader, a computer scientist who reportive president of development at vancement had been limited at ed to Mr. Lowe and headed IBM's the entry systems division. workstation development effort, Several months ago, Richard T. was given a special corporate sci-Gerstner was appointed IBM vice ence assignment recently. He had will assume responsibility for been IBM's vice president and gen-IBM personal systems, the crucial eral manager for advanced engi-

"My being here isn't so much a reflection on IBM," Mr. Lowe said from his new offices at Xerox. "I feel I still had runway there, but

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puter marketing strategy.

Mr. Lowe, 47, left Monday for line was introduced was a mistake, amount and product planning, named head of product planning, to take away market share.

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sonal computers and workstations.

James A. Cannavino, an IBM screed as president of the compa-oy's entry systems division since 1985. His departure focuses atten-tion on difficulties focuses atten-The new advanced workstations

Mr. Lowe's departure followed a M. Donofrio, who also will report shake-up in which R. Andrew Hell- to Mr. Gerstner. Mr. Donofrio was

At Xerox, Mr. Lowe succeeds-Wayland R. Hicks, Mr. Hicks, 45, worldwide marketing operations at Xerox on Feb. 1.

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S&P 100 Index Options

Dec. 6

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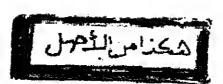
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A vaive in a primaring them was not closed what it was not closed what it was restarted aller to the control of t cherations noticed it is to a strengt was then take by manifestation to the state of the state o "pointing," she said.

Ms. Hener also said she cut here in the by manipo Stire on it by slightly to state on it ov sugary as calcond valve, allowing a leg calcoartive steam for a leg calcoartive. But the many calcoards, But the many calcoards the plant had to be a calcoard. 1989 per-share carnings estimates buch took for Upjohn to \$2.20 a share from Ms. Hever said the sluggish sales of Rogaine exposed Upjohn to con-siderable risk because Rogaine was

> U.S. Will Atter Debate on Ply

WASHINGTON-I Sides will strend a like resembly debate on the Cussion in Geneva ner The 125 having recently in a visa lor Tasser And Department said Trens The denial of a risig 5.1 - Canled Mr. Archiv ni deci ex-

in assembly a Unit William Which assignments in New York - change of locations. S.OT. 23% set for Swing Despute all the time. am sair of the rise that -2 to do with our regal

Monday it made an agreed of-Establish Y fer of \$12.80 a share, which it Filegurin usne" (he and the color will fund from its existing re-2 State Department Almone of sources. Peter Gershon, STC The said at a news here 20 an - managing director, said the ac-We believe the other 4 74 42 quisition "fits naturally into an imponent the strategic plan and vision" With Computer. Consoles,

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BUSINESS ROUNDUP

expected to offset a downturn in

revenue expected in the 1990s,

when patents will expire on two of the company's leading drugs.

About 50 percent to 65 percent of Upjohn's per share earnings are

derived from Xanax, a drug to treat

STC to Acquire

In Agreed Deal

LONDON - STC PLC, a

leading British supplier com-puter and telecommunications

equipment, has agreed to pur-

chase Computer Consoles Inc.

of Waltham, Massachusetts,

The company said late

STC will become a world-scale

supplier of electronic mail and

Computer Consoles specia-

lises in making systems for use

in intelligent networks, an area

where computing and tele-communications technologies

onverge.

It supplies intelligent networks to telecommunications

carriers in the United States

and to British Telecommuni-

cations PLC. (Reuters, AFP)

electronic conferencing.

for \$168 million.

U.S. Concern

Upjohn Stock Falls on Downgrade The Frankfurt ported by the American affairs journal Nuclear we steam we steam suphere. The Frankfurt incident affairs journal Nuclear affairs journa

Lipham & Co., said she downgraded her recommendation on the the patent expirations in 1993, when sales and earnings will melt down drastically," Ms. Hener said.

In August, when the Food and company to a sell from a neutral rating because of poor initial sales of its baldness treatment, Rogaine. On the New York Stock Ex-Drug Administration approved Rogame for marketing in the Unitchange, Upjohn stock fell 62.5 cents, to \$27.125 a share, with a

ed States, analysts had projected that sales worldwide could reach \$200 million in 1989. Ms. Hener said it was difficult to

Compiled by Our Staff From Dispatches TOKYO - Fujitsu Ltd. unveiled a new series of supercom-puters that operate more than twice as fast as its previous models, exec-

utives said Tuesday.
The eight-model VP2000 series processing speed of four gigaflops
—or four billion floating-point operations per second — in a single bit static random access memory microchips, officals said.

Rogaine is supposed to be the sumer advertising campaign for the bridge that will carry Upjohn over drug but the launch of the treat-

stock, sell it," Ms. Heuer said. Rogaine, which contains the ac-

tive ingredient minoxidil, is applied to the scalp. Studies have shown that it must be used at least twice a day for a least four months.

Fujitsu Unveils Computers

boasts the the world's fastest vector processor, Fujitsu claimed. It also uses the world's fastest one-mega-

HONG KONG - Three former executives of Ka Wah Bank Ltd.

now fugitives from justice, have

filed a writ in the High Court

claiming damages against seven parties connected with the bank

when it was teetering on the verge

of collapse two years ago.

The Low brothers of Singapore, who jumped bail in Hong Kong and fled to Taiwan in January fac-

ing 81 fraud charges, are seeking 140 million Hong Kong dollars

(\$17.9 million) in damages from East Asia Warburg Ltd. and David

Li, a prominent local banker and

member of the territory's governing

The writ also claims unspecified

damages from the seven defen-

dants it said were connected with

the takeover of Ka Wah Bank in

1986 by China International Trust

& Investment Corp., a Chinese in-

vestment concern based in Beijing.

The writ alleges that four con-

cerns and three individuals

"wrongfully conspired" with "the

predominant intent that the plain-

Under Hong Kong law, the de-fendants have 14 days to reply to

The 37-page writ was filed Mon-

day through local solicitors by C.S.

Legislative Council.

uffs be injured."

the writ.

ment has been disappointing.

The most prudent thing to do if you don't own the stock is to wait on the sidelines. If you do own the

NEC Corp.'s fastest existing suercomputer, the SX2, has a speed of two billion to three billion floating-point operations per second, ujitsu officials said.

The supercomputers run Fujitsu's MSP operating system, in addition to Unix and other industry protocols, enhancing its compatibility with workstations.

Costs of renting the models will range from 107 million yen (\$880,600) per month at the top of the line, down to 38 million yen.

Ka Wah Bank, Low Chung Song, and his brothers, Low Chun Seng

and Low Chang Hian, who were

The Lows said the claims against

East Asia Warburg and Mr. Li

arose from the Low company's sale

of its 147 million shares, amount-

ing to 40 percent of Ka Wah Bank, to CITIC. With the purchase, CI-

TIC's stake in the bank was raised

The damages sought constitute

the difference between 5 Hong

Kong cents a share, the level at which the deal was scaled, and I

the par value of Ka Wah's share would be reduced to 5 cents and

then restored to 1 dollar each by

consolidation, which would reduce

Mr. Lt, the managing director of

Bank of East Asia Ltd., was named

the total number of shares.

avert a collapse in 1986.

Low Investment Ltd., a company Ltd. and its employee Aroa Abe. tions, as well as to vindicate their owned by the former president of Schroders and CCIC were con-reputation."

Fugitive Low Brothers Seek Vindication

vice presidents.

to 95 percent.

Investors Take **Profits From** Mitsubishi Auto

TOKYO-Profit-taking on Tuesday pushed Mitsubishi Motors Corp. shares down 180 yen (\$1.48), to 1,260 yen each, at the close of their second day of trading on the Tokyo Stock

Exchange.

Many brokers said they were astounded when the carmaker's stock hit 1,440 yen on Monday after listing at 1,380, up from a public offer price of 850. "It was a very overheated price," said a senior analyst at a Japanese brokerage. A Finance Ministry official

said Monday that the ministry was likely to introduce a partial auction system to set ini-tial public offer prices for the shares of new companies. Brokers underwriting new listings on stock exchanges and registering new share offerings on the over-the-counter market now decide on the offer price.

Behind the proposal is the outery over a scandal in which political figures made buge profits by buying shares in Recruit Cosmos Co. prior to its over-the-counter listing.

sultants for two companies that ex-

pressed an intention of buying a

stake in Ka Wah Bank in late 1985.

The companies were identified as

the Dutch concern Amey N.V. and

Kaihin Enterprises Ltd., a joint-

venture company owned by main-

land Chinese interests and a Singa-

Low Chung Song. 50, and Low Chang Hian, 43, fled to Taiwan in January while awaiting trial in

Low Chun Seng, wanted as an

Last month, the brothers issued a

circular to Ka Wah shareholders

giving their version of events sur-

The circular, mailed from Tai-

alleged co-conspirator, is believed

pore business family.

volving \$98 million.

with Hong Kong.

dollar a share. At the time of the to have also landed in Taiwan.

transaction, it was announced that which has no extradition treaty

a defendant in his capacity as the \$512 million in December 1985.

Asia Warburg, which served as fi- CITIC's control after the Hong

nancial adviser to Ka Wah Bank Kong government guaranteed the

the accounting firm Touche Ross & "will shortly commence a series of

Co., the merchant bank Schroders legal actions, on a world-wide ba-Asia Ltd. and its employee Paul sis, to pursue all their rights against

Banner, as well as CCIC Finance all the relevant parties and institu-

Other defendants named were wan to Singapore, said the brothers

when it sought financial backing to bank's bad loans.

Icahn Says He Has No Plans To Sell His Stake in Texaco

Compiled by Our Staff From Dispatches NEW YORK --- Carl C. Icahn said Tuesday that he has no intention of selling his 14.8 percent stake in Texaco Inc and may buy more stock in the company from time to time based on market conditions.

"Carl Icahn today said that he had no present intention to sell his Texaco common stock and contin-ues to believe such stock is undervalued," a statement issued by Mr. Icahn's office said Tuesday.

Oil industry experts said Mon-day that Mr. Icahn, who is chair-man of Trans World Airlines Inc., may become part of a new takeover battle for Texaco Inc. that would involve the eventual sale of his 14.8 percent stake.

The experts, who declined to be named, said that Mr. Icahn and another party were involved in early talks on a deal that could offer investors at least \$60 a share, or close to \$15 billion, for the thirdlargest U.S. oil producer.

Mr. Icahn, a corporate raider, owns about 36 million Texaco shares, bought for an average price of \$34, or \$1.2 billion. If he collect-

"I don't believe it," an executive close to Texaco remarked. "But it sounds like Christmas for Icahn."

Wall Street professionals also said they found such a deal difficult to believe. Nevertheless, Texaco stock advanced 75 cents on Monday on the New York Stock Exchange and gained a further \$1 on Tuesday, closing at \$48.75.

Last May, Mr. Icahn offered to pay Texaco shareholders \$60 a share for the 85.2 percent that he does not own. Texaco attacked the bid as part of a plan to put pressure on management and questioned whether Mr. Icahn could finance Hong Kong on fraud charges inthe deal.

> To show good faith, Mr. Icahn offered to pay stockholders a \$300 million penalty if he failed to raise the financing. But a month later he conceded defeat in a proxy fight to oust Texaco's top management af-ter Kohlberg, Kravis, Roberts & Co., which he thought would back him, voted instead for Texaco.

rounding the bank's financial prob-As the deal is currently envilems and takeover. The bank was sioned, Mr. Icahn would retain his weighed down with debts totaling 14.8 percent Texaco block while his proposed partner would build a former managing director of East and was subsequently taken under

from:

Growth

Fund

Europe The Quarterly Report as of 30th September

1988 has been published and may be obtained

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separate block approaching 9 percent. The two thus would own al-

most 24 percent of Texaco's shares. Mr. Icahn's proposed partner is believed to have about 3 percent or 4 percent of Texaco at this point, possibly meaning that the partner would have to get more from stockholders or in the open market.

Part of the plan apparently provides for Mr. Icahn's partner to sell Texaco's 50 percent interest in Caltex Petroleum Corp., owned jointly with Chevron Corp., and its 78 percent interest in Texaco Canada. Texaco is trying to sell its Cana-

dian interests — valued at \$3.5 bil-lion — but has said that it is not interested in selling Caltex, valued on Wall Street for at least as much Mr. Icahn's partner is said to be thinking of selling it, too, possibly to a foreign oil company.

As a result, about 57 billion of the \$15 billion cost would come from the sale of two big Texaco divisions thus meaning that roughly \$8 billion would have to come from the partner and outside lenders.

Experts familiar with the project said about \$2 billion would come of \$34, or \$1.2 billion. It he contested from the partner, leaving \$6 billion to be raised. (NYT, Reuter)

Continental Air Names CEO

HOUSTON - D. Joseph Corr, a former president of Trans World Airlines Inc., has been named chairman and chief executive of Continental Airlines, the company said

In that post Mr. Corr will replace Frank A. Lorenzo, chairman of Texas Air Corp. who will remain a Continenta Airlines director. Continental is a subsidiary of Texas Air. Martin R. Shugrue remains president of Continental.

Continental posted a net loss of \$231 million for the first half of 1988. Because of its problems, the airline said in August that it would lay off up to 1,000 employees including pilots and flight attendants.



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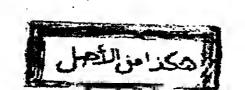
one this year. That was up from si percent the fund predicted

Granda - remained steady at summai rate of 32 percent, Mr.



In The Associated Press





CURRENCY MARKETS

Dollar Ends Firmer in New York

Source : Router

NEW YORK - The dollar ended firmer in New York trading Tuesday, while the British pound again climbed against the Deutsche mark and other currencies.

The dollar gained on technical factors and on speculation that the U.S. discount rate could be in-creased, dealers said. But the potential for a rise was limited by nervousness in advance of the scheduled Dec. 14 release of U.S. October trade data, they said.

"It was primarily the short-covering that drove the dollar up," said John Lynam, vice president of Security Pacific International in New York . "Once we broke through 1.7280 against the mark, people were forced to come in," he said

The dollar closed at 1.7372 DM, up from 1.7259 at the end of trad-ing Monday. It finished at 121.925 yen, compared with 121.565 a day earlier. **London Dollar Rates** 1.7310 1.8665 121.66 1.4510 5.9125

The dollar also closed at 1.4568 Swiss francs, up from 1.4450 on Monday, and at 5.9360 French francs, compared with 5.8960 francs a day earlier.

The high-yielding British pound continued to rise against the mark but it slipped against the dollar. It closed at \$1.8605 from \$1.8685 on Monday.

In Europe, the pound finished at 3.2310 DM —its highest level since mid-August and up from 3.2246 on Monday.

Cantion about Bank of England

pound's rise against the mark.

I doo't think Bank of England intervention will put pressure on the pound," the dealer said. "We are talking about 3.25 marks, partly reflecting interest for quick capital

gains." Earlier in London, the dollar closed at 1.7310 DM, up from 1.7245 at the end of trading Monday. It finished at 121.60 yen, compared with 121.50 a day earlier.

The dollar also closed at 1.4510 Swiss francs, compared with 1.4447 on Monday, and at 5.9125 French

franes, compared with 5.8900 francs a day earlier. Seperately Thesday, Martin S. Feldstein, former chairman of the President's Council of Economic Advisers, said that the Federal Reserve should not raise interest rates to defend the dollar. Speaking to reporters after a Washingtoo intervention after it sold sterling the dollar to the market. eech, be said, "We ought to leave

GATT: At Meeting, Call for Action on Protectionism

they have recently assumed at other Conable said world trade was in a and between Australia and New international meetings, the Japa-nese have been virtually invisible in

oping countries to "forgo reliance rooment" promised by the fast becoming the oorm, if not the cooperation of the postwar international economic institutions. look for trade and the world econo-

To underline the point, Mr. Camdessus released revised IMF estimates putting the growth rate in the seven leading industrial countries at an unusually strong 4.25

The aim of the meeting in Montreal is to give oew political impetus to the Uruguay Round, which the 4 percent the fund predicted only two months ago and the highest rate since 1970.

Inflation in the seven countries the United States, Japan, West Germany, France, Britain, Italy and Canada — remained steady at iff barriers, "voluntary" export rean annual rate of 3.2 percent, Mr. straints and anti-dumping mea-

While Mr. Camdessus warned of

system as a result of growing dis-tortions and nontariff barriers, Mr. in Western Europe, North America

state of "evolving crisis."
What is at stake, Mr. Conable Calling on industrial and developing countries to forgo reliance rooment promised by the

look for trade and the world economy provided a "golden opportunity" to remove commercial barriers.

Failure of the Uruguay Round of GATT trade talks "could threaten the sustained and efficient growth complex barriers were of both poor and rich nations," Mr. Conable said.

percent this year. That was up from started two years ago and has now reached its midway point.

Mr. Conahle said that reduced

tariffs had been replaced by a growing range of other devices that distorted trade, such as subsidies, particularly in agriculture, nontar-

"ominous strains" in the trading trade preferences were increasingly

Zealand, Mr. Conable said.

"Bilateral and other preferential said, "is nothing less than the open, deals over specific products with multilaterally agreed trade envi-

> Although the effects of such complex barriers were difficult to measure, Mr. Conable said, it had been estimated that restrictions by industrial countries were costing developing countries about 3 percent of their gross national prod-

A similar analysis was given by Mr. Camdessus, who said there was "much scope for liberalization" of world trade.

He said that "Nontariff barriers have multiplied; distortions to agricultural trade have grown apace; industrial policies in the major countries can work to distort mar-In a growing turn to bilateralism, kets and impede structural adjust-

Experts Say Monday failed to temper the China Should Raise Rates

BELIING - China will need to raise bank interest rates soon to ease serious cash shortages in banks, according to Chinese and foreign economists.

three-month austerity program, which started in September after the worst run on banks in 40 years, put tight limits on credit and money issues in the hope of attracting savings by linking interest rates on personal deposits of three years or more to inflation.

The curbs staunched the run, but banks are still short of funds for lending or crop huying.

Prime Minister Li Peng told an ecocomic planning meeting oo Monday that the economy was still out of control despite the austerity campaign, and he attacked officials isting efforts to cut inflation. People's Daily reported Tuesday.

The cash shortages have caused many companies to shut down, while thousands of farmers have refused to sell their produce to state purchasing stations.

Dong Fureng, honorary director of the Institute of Economics at the Chinese Academy of Social Sciences, said some banks were refusing to let companies withdraw their money, refusing to let money leave their own districts, or delaying payments due for up to two months.

Despite the new link between inflation and interest rates, which he said will cost banks an extra 10 billion yuan (\$2.69 billion) a year, Mr. Dong said personal bank sav-ings in 1988 will rise by 50 billioo yuan less than had been planned.

Mr. Dong said raising rates in China was not as effective as in the West but was oecessary to boost personal savings.

A Western banker said China would have no alternative but to raise interest rates on company loans, which were left unchanged in September, in order to bring more money into banks and also provide the funding for an increase in rates oo shorter term personal savings.

JAPAN: Third-Quarter GNP Reveals a Brisk Level of Economic Growth? anticipated the growth of adjusted the first half of next year," said (Continued from page 1)

Fuji Bank, described the annualized growth figure as "a little stronger than expected.
"We feared a downturn in ecooomic liveliness based on the last

quarterly numbers," he said. He also said the growth in exports raised concerns about the direction of currency rates and U.S. efforts to reduce its trade deficit with Japan.

The government had set a preline government had set a pre-liminary target of GNP growth at 3.8 percent for the fiscal year ending next March. Most economists

GNP would remain at between 6 Kenneth Courtis, senior economist

Now, government officials say growth looks certain to top the official 3.8 target for the fiscal year through March 31 and could even reach 5 percent. In 1987-88, the economy expanded 4.9 percent.

Officials said hrisk personal spending and capital equipment ad housing investment spurred the domestic demand.

percent and 8 percent for the third at the brokerage DB Capital Marquarter.

at the brokerage DB Capital Marquarter.

kets (Asia). "All the fancets are

open for consumer demand to remain very strong." Hefty end-of-year bonuses and income-tax cuts under the govern-

ment's tax-reform package should

keep consumers in a spending mood, economists said. Japanese manufacturers have already begun to build additional factories to help meet surging consumer demand.

e domestic demand.

"The domestic category is taking good form," said an official of the

economic agency. "They are hard."

Unfortunately for Tokyo's trading partners, however, the boom in Japanese exports also looks set to

"There's been a renewed export drive." said William Sterling, senior economist at broker Merrill

The Japanese trade surplus is likely to rise to \$100 billion in fiscal 1989-90 from an estimated \$95.6 billion in the current fiscal year, the

Sanwa Research Institute said

(Reuters, AP, AFP)

HUNGARY: Planners Face Hard Choices in Search for Market Economy

See HUNGARY, Page 19

discover that these reforms all have their prices." said Ivan Lipowecz, editor of the economic weekly HVG. "The real work then becomes deciding who will pay these prices and judging how long they will be wi

they will be willing to pay them."

Those choices are becoming both agonizing and inescapable for the new Communist leadership of Karoly Grosz. With the passage of major new laws on ownership, foreign investment and company taxation this fall, Hungary has basically sucreeded in setting up the occessary framework for a market economy. It oow has Western-style commercial banks, a stock and bond market, liberal provisions for private enterprise and a Western-style tax-

ation system, including the Soviet Bloc's only personal income and value-added taxes. The challenge the leadership now faces is essentially one of shifting more of the country's economie resources from the old system of state cootrol to the new system of markets. That means cutting hack on huge state subsidies to both industry and consumers as well as on the heavy taxes the state collects to

pay them. The money saved must be transferred to the new commercial banking system, the stock and bond markets, and to enterprises and people that work profitably.

Though it may bring prosperity high inflatioo would stir social unin the long run, the short-term consequences of that shift are rising

state companies and unemploy-ment for hundreds of thousands of los Nemeth, the former party ecoworkers who were raised to believe oomic secretary, in a recent interthat socialism guaranteed them

view. He said his new government jobs. While the party leadership has repeatedly asserted its willing-oess to allow those effects, in prac-'If you want to put through radical

reforms, you discover that these reforms all have their prices.' Ivan Lipoweez, editor of the economic weekly HVG

tice it has shrunk from them, easing cluding such steps as creating unausterity at the cost of blocking the

This year, despite the commit-ments of a stabilization program signed with the International Monetary Fund, the state's budget deficit is expected to be double the planned amount because of the failure to cut subsidies adequately. Taxes on both individuals and companies, meantime, have been

left at punishingly high levels. promised to push unemployment up to 100,000, or about 2 percent of the workforce, through industrial layoffs and bankruptcy. But the layoffs and bankruptcy. But us, politicians have cut in half the my, "What we need is a free flow of "What we need is a free flow of "Canital through

12 Month High Low Stock

employment benefits.

Everyone must know what they ought to be prepared for under the program and what will be done to protect society from the worst effects," he said.

While agreeing that the move to the market cannot happen at once, many of the country's liberal economists and some Western diplomais accuse the authorities of too much hesitation. "There is an Next year, anthorities have awareness that there is a need for change, but there is oo firm decision on how and what to do," said Janos Kozma, a leading economist

money, labor and capital through the markets and to stop channeling everything through the state budprices and austerity for most con-sumers, the closure of many big mendous changes from one year to oothing left to distribute," he said.

task urgent is the prolonged and continuing stagnation of Hungary's economy despite its widely-praised reforms. Under the pressure of a \$13 billion foreign deht, Hungary has managed to increase its exports substantially this year, but domestic consumption has fallen and the buying power of wages has dropped by more than 10 percent. The government is oow oego-tiating a oew, three-year economic program with the International Monetary Fund that would require even more austerity if Hungary is to meet its foreign payments by the

What makes the government's

carty 1990s. lo addition to the severe regimen price increases, shutdowns and layoffs, the key policy that authorities are pursuing to revive the economy is embodied in the recent law on ownership. With one sweeping measure, the party mandated a mixed system of ownership for Huogary's economie foture io which state-owned concerns will compete with stock companies, cooperatives and wholly private

Over the objections of liberal economists, several legal barriers were set up in the oew law to prevent a preponderance of Hungar-ian state industry from being taken over by foreign and private Hungarian investors. But senior party officials stress that they are oow committed to a mixed economy in which the private sector will account for a third or more of eco-



NASDAQ prices as of 4 p.m. New York time. This list, compiled by the AP, consists of the 1,000 most truded securities in terms of dollar value, it is updated twice a year.

Via The Associated Press

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BOOKS

DICTIONARY OF THE KHAZARS: A Lexicon Novel in 100,000 Words

By Milorad Pavic. Translated by Christina Pribicevic-Zoric. Illustrated. 338 pages. \$19.95. Alfred A. Knopf, 201 East 50th Street, New York, N. Y.

Reviewed by Michiko Kakutani

THE U.S. publisher of Milorad Pavic's "Dictionary of the Khazars," has come up with a fancy advertising campaign for this Serbo-Croatian novel. The book is compared to "The Name of the Rose," Umberto Eco's philosophical thriller, and to "Perfume," Patrick Siskind's bizarre mystery about a man with a superhuman sense of smell.

To underscore the novel's puzzlelike personality, the publishers have issued the book in two versions, a 'male edition" and a "female edition" that differ by 17 lines. We are also asked to compare three different colorcoded versions (red, green and yellow) of the same story and, presumably by juxtaposing them, assemble a pic-ture of the larger whole.

Such games, of course, have become a convention among the post-modernists who want to force us to connect the narrative dots and, by doing so, turn the fiction-making process into an active exchange between author and reader. Unfortunately, in the case of the "Dictionary," the literary pyrotechnics too often seem like gratuitously clever gunmicks — gunmicks designed to showcase the author's blueprints for Chinese boxes while absolving him of any responsibility for constructing a box

absolving him of any responsibility for constructing a box (or rather, a story) that actually works to amaze.

In fact, "Dictionary of the Khazars" tends to a read like a series of dazzing set pieces and hackneyed metaphysical exercises clumsily tied together by coincidence, repeated motifs and literary allusions (to everything from "Alice in Wonderland" and Grimms' fairy tales to The Trial" and Shakespeare).

The central fable concerns the Khazars, a mythical tribe of warriors who reportedly settled in the Cancasus between the 7th and 10th centuries and worshiped a god of salt. Under pressure to adopt one of the three domi-nant religions (Christianity, Islam, Judaism), their ruler summoned to his court three learned men — a Greek theologian, an Arab mullah and a Jewish rabbi — and asked them various questions to decide which religion his people should adopt. According to Christian sources, the Khazars embraced Christianity. According to Mos-lem sources, they embraced Islam. And according to Jewish sources, they embraced Judaism.

Around this fable of religious choice there orbit several subsidiary tales. The first involves a 17th-century scholar named Kyr Avram Brankovich, who has been haunted by a recurrent dream in which he is pursued by an alter ego named Samuel Cohen. Brankovich is con-vinced that the key to this dream lies in the history of the

Khazars; and in hopes of unraveling its secret, he begins compiling a source book on that vanished people.

Cohen, it turns out, is studying the Khazars as well, and he also has strange dreams that feature Brankovich. The two men will eventually meet and almost immediately die. Cohen's and Brankovich's research into Khazar histo-

ry is echoed in modern times by the work of three scholars: Isailo Suk, an archaeologist who owns a possibly poisoned copy of a rare manuscript known as "The Khazar Dictionary", Abu Kabir Muawia, an Arab professor who is shot during a trip to deliver a lecture on the Khazars, and Dorothea Schultz, a colleague engaged in tracing the lost "Khazar Orations," who is accused (perhaps falsely) of murdering Mnawia.

In the course of relating the story of these three academic detectives and their elusive quarry, the Kha-

zars, Pavic gets plenty of chances to demonstrate the

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prodigality of his imagination. He retells the Dracula legend, redefines hell, tries to explain the genesis of the Slavic languages and proposes a new theory of dreams. He conjures up magical eggs that possess the secret of time. He invents a mysterious sect of Khazar priests known as dream hunters who can "read other people's dreams line and make the mean of them and dreams, live and make themselves at home in them, and through the dreams hunt the game that was their prey -

a human, an object, or an animal."

Some of the poetic riffs in the "Dictionary of the Khazars" are as enchanting and powerful as anything created by Gabriel Garcia Marquez; and as translated by Christina Pribicevic-Zonic, they attest not only to Pavic's gift of language but also to his masterly sleight of hand, his

ability to manipulate the concepts of reality and time.

In the end, his individual riffs do not cohere into a fully satisfying novel, much less a fast-paced best seller.

Rather, they form an uneven anthology of poems—
some of which are bland and redundant, some of which are undeniably brilliant.

Michiko Kakutani is on the staff of The New York

BEST SELLERS

The New York Times orts from more than 2,000 bookstores throughout

the United States. Weeks on list are not necessarily consecutive.		
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DON'T BEND OVER IN THE GARDEN, GRANNY, YOU KNOW THEM TATERS GOT EYES, by
Lewis Grizzard TALKING STRAIGHT, by Lee Iscocca with Sonny Kleinfield
THE FIRST SALUTE by Barbara W. Tuchman
A BRIGHT SHINING LIE by Neil Shechan
GOLDWATER, by Barry M. Goldwater with Jack
Casserly
WHAT DO YOU CARE WHAT OTHER PEOPLE
THINK? by Richard P. Feynman with Ralph Leighton

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World Stock Markets Via Agence France Presse Closing prices in local currencies, Dec. 6 Howker ICI Jeguar Londs Sec Legal and Gen Liovis Bank Lonario Lucas Marias & Sa Maxwell Cam Mehal Box Midland Benk Nat West & Re Pearson Howker Howker ICI Jopuor Lords Sec Lepel and Gen Lepels Bank Lepris Bank Mediand Bank Middland Middlan 刘宗的最近有的战争与战争的最后在是基本的最初的最近的最近的最近的最近的是最近的最近的最近的最近的最近的最近的最近的最近的最近的。 19 +8.55% dex : 1442.26 579 114 105 96 1490 53 Sk East Asia Cathey Poddic Cavendish Inti Cheuns Kens Chine Light Perr Dairy Farm Inti Green Island Cem Hone Lung Dev Hone Seng Bank Henderson I 5.40 2.45 Cerebos City Dev. DBS 4.90 5.172 2.154 2 AMP-CBS Gen'l Index : 275,60 Provious : 271,60 Status Swire Pag A Tol Chause Prope What Hold. Wins On Co Winsor Ind. World Int'l Holes F.T. 10 lodge: 1444.88 Hone Sene Index : 2476.59 Previous : 2471.27 Straits Times Ind. Previous : 972.14 994.14



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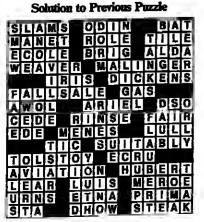
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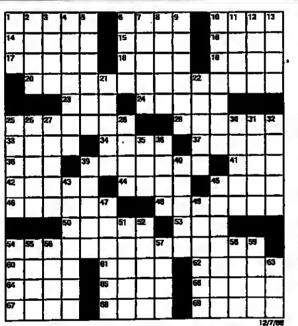
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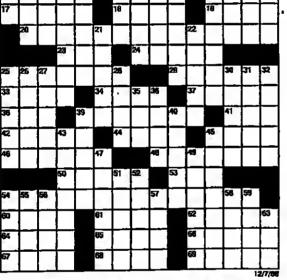
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O New York Times, edited by Eugene Maleska.





PEANUTS

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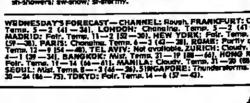
BE GAFRIEL OR GERONIMO OR ANYBODY! YOU HAD ALL

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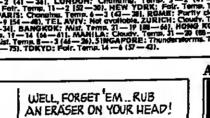
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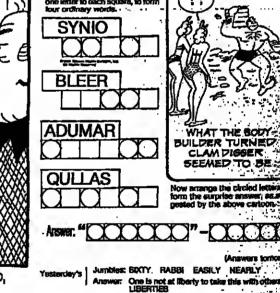


for a holiday.

"SURE, HE LIKES OUR HOUSE... IF HE WAS A BIRD, HE'D LIKE OUR CAR! "

SIRE ...
THE WAREHOUSE,
CONTAINING ALL YOUR
SPEECHES, BURNT TO

THE GROUND!



JUMBLE THAT SCRAMBLED WORD GAME
by Hend Arnold and Bob Lee





SMOKE PUT THEM TO THE FIRE DEPARTMENT. SLEEP

REX MORGAN YOUR SON TEFFREY IS IN THE SOLARIUM WITH DR. MORGAN MRS. ARIGON! NO, WAIT PLEASE ASK DR.) MORGAN TO CALL. ME AFTER HE'S THROUGH TALKING WITH MY SON GARFIELD



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West like to see horing as Bism bonest and straight,



Beat Bears, 25 diago failed to contain Henry E day night in Anaheim. Calif

the with a 31-yard, third-quarter saming Im Harbaugh, th to show left, did not help when SORTS & GUIDES IN MENATIONAL

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LONDON - So, Heysel Stadi- murder, is increasing. un is to be bulldozed and replaced. None too soon. What were man, woman or child wants to cheer in a mansoleum? Could anyma enter that decrepit Brussels None too soon. What decent arena without being unnerved by

ROB HUCHES

the memory of 39 Italians crushed to-death when a wall collapsed during a hooligan charge in 1985?
The timing of Heysel's foreclo-More is curious. It comes during the

interminable trial of 26 Liverpool supporters accused of the killings. Belgium can crase the stadium, but not the fact that culpability is shared by hooligans looking for a fight and by administrators who allowed the European Cup final in

a death trap. Manslaughter charges go on and on. But the weight of evidence is now compromised. Surely this witetched trial, this search for scapegoats, this buck passing of regame in Dresden. sponsibility, is built on accusations no more reliable than the crumbling bricks of Heysel?

Without doubt some of Liverea pool's accused intended assault. Fheir stampede led to the deaths but, unless they knew more than experts paid and elected to supervise the stadium, they could not have foreseen that a wall, unsafe and inadequately checked, would crush people to death.

int Without pitying thugs, f suggest the trial is a travesty. The Liverpool culprits have not escaped punishment. They and their families are ruined; for as long as they exist they are burdened with the consequences of their stupidity.

With or without the show trial, where do we so from here? Enropean soccer carries on En-

This week there are eight Uefa Cup matches. Two - VIB Stuttgart vs. FC Groningen, and AS Roma vs. Dinamo Dresden — have portents of spectator violence.

Groningen fanatics have already demonstrated it. During their first meeting in Holland two weeks ago, they bombarded players with mis-siles and lit a fire behind a goal hoping to disrupt Stuttgart's 3-1

Given previous Dutch hooligan-ism, and the probability that Strut-gart will qualify, why didn't Uefa order Groningen to forfeit? Stuttgart's financial profit has

some bearing. So does the willingness of West Germany's well-reheared riot police to accept the onus for crowd

But in Rome, Heaven help the innocent bystander if Roma cannot recover two goals from the first

Obviously, East German visitors will be thin on the ground. But a notorious hard core of Roma followers have recently shown no partiality to whom they stab.

This is a club whose reputation at home and abroad is a scar on the name of sportsmanship. Roma's president, Senator Dino Viola, is allowed to carry on despite having admitted attempts to bribe a French referee before a European game in 1984.

Among his players, center back Lionello Manfredonia and the hotheaded Brazilian striker Renato, collect red cards like some people collect stamps.

Rogues attract rogues. Last season, despite the deployment of 10,000 policemen on match days, so-called ftalian soccer fol-lowers wounded 510 victims, half last season prove the need to en-

showed the way.

None of this, nor the recent three arrests per match - among 400,000 citizens who pour through turnstiles each weekend - vindi

deaths in Greece and elsewhere, leads to a case for the readmission of England's clubs.

At two English

'no go' areas,

mounted police,

helicopters, dogs,

and company were back. f disagree.

The moment the ban was im-

posed it seemed irreversible. Mere-

worse, is no reason to conclude that

English clobs, which more than any

others export violence, can control

thugs who masquerade as support-

pling with the problem. The prime minister is determined to impose

identity cards on all supporters de-spite the wailing of clubs who claim this will slash their attendance, de-

spite the slur on lawful supporters.

The last two weeks remind me that ID cards inside stadiums are

immaterial. Since Heysel, massive

olicing, segregation and surveil-

lance cameras have curtailed stadi-

proving others are as bad, or

motor patrols,

and waves of

constables.

matches, there were

cates the decent majority.

However, how long will it be before we need ID outside the sta-Gianni Agnelli, the patron of Juventus whose fans were killed at diums? Or, after that, perhaps, Heysel, is among many who believe Europe is not whole without the branding irons?

Fin being only half facetious. Be-fore and after Derby County vs. Arsenal, in the English midlands, He thinks it is time Liverpool and then another game, Millwall vs. West Ham, I felt intimidated by the price for holding a sporting

> For these matches, on the last two Saturdays, streets around both venues constituted a police precinct, as close to occupation as I have known in my country. There were "no go" areas for everyone; there were mounted police, motor patrols, helicopters, dogs, and wave after wave of uniformed consta-

Millwall was worse. This is a clob that has attempted more re-form, more community and police cooperation than any. It needed to because its former fascist-recruited hoodiums were vile.

For the visit of its dockland neighbor West Ham, police were on Grade A alert. The operation involved 400 officers, "Only" 24 arrests were made; only £5,000 (\$9,300) in damage was caused to a nearby pub; only five policemen were but;

The police used the day's 20,000 soccer spectators to launch a pre-Christmas campaign against drunken driving. The cops gave ev-eryone a plastic keyring, exhorting: "Drinking and Driving Wrecks

Harmless things, keyrings? Alas, no. At the end of play, angered because Millwall lost its unbeaten home record, some youths hurled their gifts at opposing players.

A West Ham defender was struck in the face. The police good-

will was turned to a potentially blinding weapon.
Hooliganism isn't beaten anywhere. But removing the ban on English clubs remains unthinkable.

At atrocions cost to public liberty and economy, England is containing it; other countries should not have to foot that bill. It would be like handing a light-

ed cigarette to someone suffering lung cancer.

It's Becker, by a Bounce By Christine Brennan

NEW YORK - With a backhand at the end of a 37-shot rally that hit the tape and dribbled meekly over the oet, Boris Becker ended a 4-hour, 42-min-ute marathon march against Ivan Lendl to win his first Nahisco Masters tennis title.

Becker ended Lendl's threeveer reign at this season-ending tournament, 5-7, 7-6 (7-5), 3-6, 6-2, 7-6 (7-5). He earned \$150,000 as the winner plus \$285,000 for the tournament, based on the number of matches he won.

Lendl was a finalist the last nine years in the tournament and champion five times. When Becker had finally, mercifully, won the match, he threw

his racket into the stands. "I have no words," Becker said. "I don't know what happened."

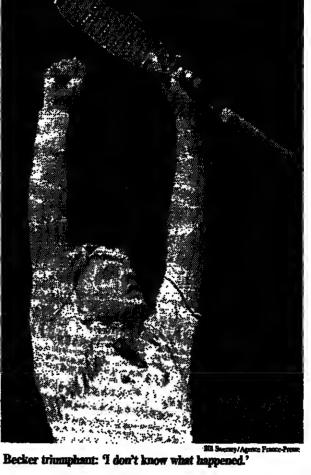
The ending hardly was worthy of the rest of the match. Becker was serving with a 6-5 lead in the tie-breaker. Both players stayed back, perhaps too tired to at-tempt anything unusual. They traded forehand after forehand and backhand after backhand. One of those many backhands -the last one - came off Becker's racket and clipped the top of the net. ft could have fallen on either side of the court, ft chose to come down on Lendl's side, and Becker had won the tournamer "What can you do -- it's just

hearthreaking." Lendl said. The final set of the final tournament of the year was brilliant, with Lendl constantly running down seemingly certain Becker winners with lunging backbands, and Becker atoning for big mis-takes with his reckless net game. Just when you thought the match

was over, it gained new life. This was the first time in seven Masters finals that the championship match went past the third set. In 1982, Lendi needed five sets to defeat Vitas Gerulaitis. Lendl beat Becker in two of those Masters finals, for the 1985 and 1986 titles. It looked like he

would beat him again - at least Lendl won the first set on per-

SCOREBOARD



In the second set, neither play-er could win on his opponent's serve, although Lendl had his chances. He had four break points; Becker had none. But Becker won the long set by climbing to a 6-3 lead in the tie breaker, waiting through two Lendl service winners and then

winning on his serve when Lendl slammed a forehand wide. In the third set, Lendl broke Becker's serve in the fourth game and never gave Becker an open-ing to win. Lendl took the set, 6-3, in just 45 minutes.

In the fourth set, just when one thought Lendl was in control, Becker broke his serve three times and won the easiest set of the match, 6-2. He finally found his first serve; he was successful on 68 percent of his first serves in that set, up from close to a 50-50

success rate in the first three sets. Meanwhile, Lendl appeared to begin unraveling emotionally, having periodic chats with unpire Richard Ings about calls that upset him.

Women's Rankings

The Women's International Tennis Association announced that Steffi Graf finished the year as the No. 1-ranked player on the WITA computer rankings, ahead of Martina Navratilova and Chris Evert. The Associated Press reported. (See Scoreboard)

WALES CONFERENCE Poirtck Division

10 16 4 24 11 15 1 23 9 12 4 22 4 17 6 16

SIDELINES

Oxford Rampant

LONDON (AFP) — Oxford trounced Cambridge on Tuesday, 27-7, in the two universities annual rugby match, played before a growd of 55,000 at Twickenham. Oxford's tally of five tries was its best in the series since 19f0.

Flyhalf Brian Smith, an Australian, scored two tries and kicked two conversions. Oxford's other tries came from Rob Egerton, David Evans and Dave Cook, and Evans kicked a drop goal. Cambridge was one point behind at halftime, 8-7, thanks to a drop by Adrian Davies and a try by Cameron Glasgow.

Phils Trade Gross

ATLANTA (AP) - The Philadelphia Phillies on Tuesday traded All-Star pitcher Kevin Gross to the Montreal Expos for pitchers Floyd Youmans and Jeff Parrett, Gross was 12-14 with a 3.69 earned-run average in 33 starts last season.

Tomba Tumbles

SESTRIERE, Italy (Renters) -Austrian-born Marc Girardelli skied back to top form on Tuesday, winning his first World Cup slalom race in more than three years.

The home favorite, Alberto Tomba, the Olympic champion, made his second serious mistake of the season, slipping uncontrollably into a gate more than halfway. down the slope and sliding out of the second leg.

6

For the Record

The Russian defender Sergei Beltacha on Tuesday became the first top Soviet soccer player to join a British club, signing a six-month contract with the English club Ipswich Town.

Jack Elway, football coach at Stanford University, has been fired after heading the program for the past five years.

Spanish soccer players have voted to support a trade union strike on Dec. 14, forcing the suspension of league games that day. (UPI)

Willie Upshaw, the Cleveland Indians' starting first baseman, has agreed to a two-year contract with the Daici Hawks of the Japanese

Amateur Boxing Reforms Vowed

The Associated Press and stress efforts for the safety of cent years, particularly at the VIENNA — Amateur boxing, battered by concern over safety interview. Chowdhry said in an Olympics. The time is here that we have to and charges of corrupt judging at fu the Seoul Olympics, will wage a cleanup campaign to regain its cc place as "the noble art of self-de-

Anwar Chowdhry, the federa-tion president, said the moves would include a computerized system allowing fans to know the referees in Seoul, a review that
to score punch by punch, and safer could bar some of them from ever the early rounds, when South Korete gloves and headquards that would w. virtually climinate knockdowns.

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al Amateur Boxing Federation said stripping South Korea of all inter-national amateur boxing next year,

commission to examine the qualifiwould include a computerized sys- cations of all boxing judges and officiating an amateur fight.

An officials attacked the New ZeaChowdhry said the moves were land referee after a Bulgarian

"We would like to see boxing as drastic but necessary in light of the scored a 4-1 victory over a Korean st a fair sport, honest and straight, criticism boxing has received in re- boxer.

Rams Beat Bears, 23-3, to Stay Alive

Chicago failed to contain Henry Ellard, the sneaky receiver for Los Angeles, in the NFL game Monday night in Anaheim, California. He nabbed six passes for 132 yards and broke open a close

game with a 3f-yard, third-quarter touchdown. That kept the Rams, 8-6, in play-off contention. Chicago, starting Jim Harbaugh, the No. 3 quarterback, slipped to 11-3. Neal Anderson of the

Bears, above left, did not help when he fumbled after a hit by Doug Reed. The Rams recovered.

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At the same time, it has set up a

In addition, Chowdhry said, a review the situation," Chowdhry the Seoul Olympics, will wage a top-level federation panel said as the International Olympic cleanup campaign to regain its ommended suspending a total of Committee's executive board met place as "the noble art of self-denine boxers and officials involved here. "We do this so people know in disputed bouts in Seoul, and we mean business. They can't

> He said the proposed changes had received a warm reception from the board.

an officials attacked the New Zea-

Hue and Cry **Over Blacks** In Baseball

ATLANTA - Hank Asron has taken sharp issue with the commissioner of baseball, Peter Ueberroth, over the role of blacks in the sport.

baseball's winter meetings here, disputed Ueberroth's assertion of increased opportunities for blacks, saying it was "the same old bull, just dressed up a little." "There has been progress, but not enough in the front office and

Aaron, in the biggest spark of

management level," said Aaron, executive vice president of the At-"There are more minorities being interviewed, but f don't see them

getting the jobs. Joe Morgan, Bill Robinson, Billy Williams — they're all qualified and deserve more than

Ueberroth, in a speech Monday, said minority hiring had risen from two percent to 10 percent in two years but he said he was disappointed there were oot more minority managers, general managers and team public relations employ-ecs. He said criticism that many of the new minority workers were working in cierical jobs "is a false-

"It's not a falsehood," Aaron insisted. "Most of those jobs are in the ticket department, and that's

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NFL Standings AMERICAN CONFERENCE

FOOTBALL

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6 10 0 .286 233 330
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12 0 .143 196 292 FAR WEST Colifornio 99, U.S. International 78 Idato 83. Nebroska 68 Long Seoch St. 25, Southern Cal 81 New Maxico St. 70, New Maxico 66

MONDAY'S RESULT

Indianapolis at New York Jets Compact of Chicago Konsas City of New York Glonis, Tompo Boy at New Enpland Las Angeles Raddors at Burliolo Minnesofa at Green Bay New Orleans at Son Prancisco Pittsbursh at Son Diego

DEC. 12 Cleveland at Miam1

College Top-20 Rankings The UP1 top 26 (first-place votes, recert ofel points, based on 15 points for first pio 4 for second, etc., and just week's rankings

14 for second, etc., and lost in 1. Notice Dome (42) [11-6] 2. Altumi (21 (10-1) 3. W. Virginia (31 (11-6) 4. Florito State (11 (10-1) 5. Southern Col (10-1) 6. Noticesta (11-1) 6. Arkonecs (10-1) 7. Auburn (10-1) 8. Arkonecs (10-1) 9. UCLA (19-2) 10. Oklehome (19-2) Oklahoma (9-2) Michigan (8-2-1) Clement 3-21
Houston 19-21
Wyotzing (11-1)
Syrucuse (8-2)
Louisiana State (8-3)
Washington State (8-3)

MEN'S TOURNAMENT

*ZURICH *CAROLINE* ESCORT SERVICE, 01 /252 61 74 TENNIS

a.57.74 (7-5), 34, 42,7-6 (7-5) FINAL WITA RANKINGS Staffi Good (W.Gacmony) 325783 points offices 1U.S.) 311.589 * * Z U R I C H * * op Escort Service, Tal: 01/4) 76 09 Chris Evert (U.S.) 16,866 Gabriela Sabathai (Arpentia Pam Shriver (U.S.) 130,680 *GENEVA GINGER*S* ESCORI SERVICE 022/34 41 86 LOVELY SWEDISH ESCORT Service in Stockholin, Places cell between 11ean and 7pm. Tel: 80946 8 454020 or 817627

5. Pam Shriver (U.S.) 120,600

4. Manuelo Maleova (Dulgarie) 82,462

7. Notylia Overeva (Soviet Union) 12,528

8. Hethen Sakova (Czech) 80,212

7. Zina Gerrison (U.S.) 68,715

8. Barbora Potter (U.S.) 60,673

11. Katerina Analeova (Bulgaria) 58,154

2. Clougla Kohde-Klisch (W.Germ) 57,134

3. Lori McNell (U.S.) 44,667

4. Stephania Rehe (U.S.) 47,68

5. Marr. Ins. September 111,51, 44,750 NADRID IMPACT ESCORT and Guide Service Mublingsol. Visc. Open 1 loss - midnight. Teb 261 4142 14. arapponer (U.S.) 2/262 14. Mary Joe Ferthander (U.S.) 42/56 14. Lariso Saychenko (Soviet Union) 2 17. Svivia Hanika (W.Germany) 43.121 18. Arantxo Sanchez (Spajn) 42,781 19. Helen Kriesi (Canada) 48,658 20. Poscate Paradis (France) 38,288

BASKETBALL

U.S. College Results

Holy Cross 105, Assumption La Solle 81, St. Joseph's 57 SOUTH

Compbell 71, Richmond 66 Davidson 10, Richmond 66 Davidson 10, Eicherd 31 Duke 10, Stefann 62 -Furmon 68, Londer 56 South Caroling 57, Maryland Termessee 24, VAI 82, 207

Creighton 84, San Jose St. 77 lawa St. 83, Baylor 73 Michigan 98, Tampa 65 W. Kentucky 88, S. Illinois 73 Wisconsin 52, E. Illinois 44 SOUTHWEST Houston 94, NW Louisiana 78 Larror 74, Tulsa 65 Texas Tech 58, San Diesa 81, 43

College Top-20 Rankings

The UP1 top 20 (first-place vales, records plaints, based on 15 points for first place 14 for second, etc., and just week's ra 14 for second, etc., and last we
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2. Alichisan 13) (5-0)
3. Syrocuse 16) (7-0)
4. Georgetown (3-0)
5. North Carolina (6-1)
6. lowa (1) 14-0)
7. Okkahama (2-1)
8. Nevada-Las Vesaa (2-1)
9. Jilinole (3-0)
10. Artzoria (2-1)
11. Missouri (5-2)
12. Georgia Tech (3-0)
14. Louisville (3-0)
14. Louisville (3-0)

13. Florida State (3-1)
4. Louisville (1)-2)
15. Ohio State (3-1)
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17. Villonova (3-1)
18. UCLA (3-0)
19. Seton Holl (3-0)
20. Oreson State (2-0
2-serronked)

NBA Leaders

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HOCKEY

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19 4 4 43 15 9 0 34 16 9 3 15 11 13 5 27 18 9 4 24 Lemieux (14), Gilchrist (3), Skrudkand (3). Svobada (2), Cerbonneau 111), Courinal (5), Naslund (13): Yzerman (28), Kine (1), Shots an sept: Detroit (on Roy) 4-10-14—28; Mantre-ol (on Honion) 13-10-14—37.

0ff Def Tof Ave .59 164 223 721 93 125 216 12.8 74 106 182 12.1 57 129 186 11.4 43 186 157 11.6

SKIING

2. Jones N'Bason, Sweden, 1:48.10. 5. Tetsuya Oko 5. Tetsuva Okobe, Japan, and Bernhard Gstrein. Austria, 1:49.53. 7. Felix McGrath, U.S., 1:49.83. 8. Michael Tritscher, Austria, 1:49.93. 9. Ole Christian Furuseth. Norway, 7:49.97. 10. Carlo Gerosa, Italy, 1:50.05.

MEN'S OVERALL STANDINGS

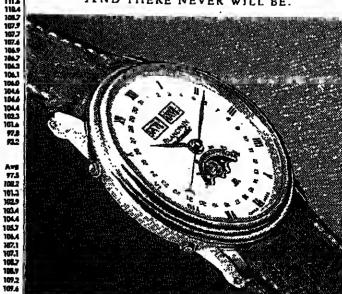
TRANSITION BASEBALL

TEXAS—Acquired Bobby Meach leider, from the New York Yorkes

Metionel I CHICAGO—Traded Re fielder: Jamie Mayer and Drew Half, bitchers, to Teoss for Curits Wilkerson, infielder; Mitch Wilkiams. Paul Kilpus and Steve Wisson, bitchers; and two minor league plowers to

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No Time for Trousers

By Russell Baker VEW YORK - Needing pants, I go to Google's. The pants department is idle. Five or six people browsing, but no salesperson bustling up to ask, "Can I help you?" In fact, there don't seem to be any salespersons working.

It intensifies the surliness that always overtakes me when buying pants. It is silly having to make a special trip to the store for something as dull as men's pants. Men's this because, though I've been pants are always gray. You'd think standing here looking disgruntled you could put in a standing mail order with a pants company.

It would antomatically send you a new pair of gray pants at scientifically determined intervals, the way heating oil companies automatically replenish the tank and mail order grapefruit people automatically send you a fresh crate just before you run out of the last crate.

But no, you have to make a personal appearance in a pants department. It's always upstairs, so you have to run a gauntlet of the firstfloor salespersons.

First-floor salespersons are different from their upstairs coleagues. They are spiffy dressers. Their duties include looking over incoming customers for flaws, then reporting the entry of a customer wearing a homemade haircut and a shirt with gravy.

I have just passed through them down on Google's first floor. That's probably why no salesperson here in the pants department bustles up to ask, "Can I help you?"

After alarms sounded from the first floor. I have been declared unworthy of help. Google's board of directors has met in emergency session and decided Google's would be disgraced if its pants were recognized on the likes of me.

This is not paranoia. It is bitter, childish sarcasm produced by the rors, praying the store detective absence of salespersons. The obvi-

Maybe nomenclature accounts for it. When they were called "pants salesmen," there were always more than enough at Google's. It's since they became "pants salespersons" that they started dis-

And no wonder, Imagine know-ing that if you enter this line of work, some day a little child is

going to look up at you with wor-shipful tyke's eyes and say, "What do you do for a living, Dad?"

You'll have to say, "I'm a pents salesperson," won't you? Not like the old days when you could announce, "Your dad is a pants salesman, kid, and if you work hard and develop an artist's eye for distinctions in the various shades of gray, some day you too -

My mind is idling foolishly like for 10 minutes, no pants salesper-son has yet asked, "Can I help you?" Five other men are browsing through stacks of pants.

It's outrageous. If I wanted to browse I would be m a bookshop. Imagine having to browse for pants. I am overwhelmed by the bleak suspicion that civilization is breaking down. To a man browsing not five feet away, I say, "It must have been like this in Rome just before the fall."

The man eyes me suspiciously and moves to put a safe distance between us. I have had this reaction in other shopping situations recently after trying to make a genial withcism to some struggling fellow

At a distant counter a man, possibly a salesperson, has been talking on the phone for 20 minutes. I approach him, stand mute, staring, sensing he is a salesperson, trying to communicate my desire for pants, my willingness even to pay money for pants.

He turns and presents me his back, keeps talking, voice very low, inaudible to me. Can he be selling pants on the telephone?

Rebuffed, angry, I go searching for pants I can sell to myself, pick five (all gray), take them to a cubicle, try on each pair, ostentationsly parading around in front of mirwill accost me, so I can be taken to ous truth is that Google's is unable the manager of Google's and tell to hire any pants salespersons.

No dice. I am reduced to finding the fitter myself. Looking for sym-pathy, I explain that, lacking help, I had to choose these pants myself. "And you made a good choice, says he, making his little chalk marks. I am waiting for Google's to

In pants, Bearing money. New York Tunes Service

let me pay. I am here, Mr. Google.

Parlay Voo Simplified French?

By Barry James International Herald Tribune

DARIS - The tavern in Paris I that tells its customers to ask the taxi driver to take them, s'il your plats, to "sank roo doe noo" may have hit upon an idea whose time has come — the simplification of the French language. Harry's Bar will never be mis-

taken for the French Academy, but it gives people who don't speak French a reasonable approximation of how to pronounce its address at 5 Rue Daunou. Now come French schoolteach-

ers with a call for language reform -not as radical as Harry's, to be sure, but far-reaching enough to have the intelligentsia up in arms. L'Ecole, or The School, the or-

gan of the union representing the majority of primary and junior high school teachers, earlier this year asked its readers for their comments on reforming French. The size of the response and the strength of the feelings expressed took the union by surprise. In its current edition the maga-

zine carries a report about the replies it received from 1,150 teachers from as far as Washington and Jakarta. To the question "Should the language be simplified?" 1,035 eplied out and only 107 non.

The French are generally proud of the logic of their language, which when properly constructed is capable of expressing complex ideas with great precision. But its spelling and grammatical irregularities and quirks probably tax the patience of most foreigners who attempt to come to grips with it, and according to many teachers who wrote to L'Ecole, present an entirely artificial barrier to understanding and expression.

French spelling, the poet Paul Valery once said, "was unhappily fixed in all its absurdity and ignorance by the pedants of the 17th century and it has never since ceased to exasperate the foreigner and distort the pronunciation of a number of our words."

In addition, Valery said, the spelling acts as a kind of social test. "He who writes something the way it is pronounced is considered in France to be inferior to him who writes things the way they are not pronounced."

The written language has remained substantially unchanged

since 1832 when King Louis-Phi-

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established, public officials, in-cluding teachers, are supposed to lippe issued a decree ordering all public servants to ensure that all documents conformed to the dieuse it, but this does not necessarily tionary of the French Academy. In 1953, experts from the fran-

affect everyday speech.
Several teachers who wrote to conhone countries at a meeting of L'Ecole made the point that the United Nations Educational French would be better able to defend itself from the invasion of Scientific and Cultural Organization unanimously called for a sim-Anglicisms and Americanisms if it plification of spelling, to no avail.
In 1960, two thirds of the memwere made easier to write. bers of the Academy of Sciences

"It is discouraging for those who undertake the study of a langnage to realize that as soon as they have learned a rule, it is set about with a whole series of irregnlarities," said one teacher.

Take, for example, the double consonant—and, bearing in mind what the Bible says about motes and beams, let's leave English to one side for the moment. Double consonants are the bane of French schoolchildren and a constant trap for the unwary.

Is there any good reason why fonction (function) should give the adjectival fonctionnel, or why tradition should mutate into traditionnel, or imbécile should become imbécillité, or why rationalité should so irrationally turn into rationnel? The great majority of those who replied in the survey thought not.

Most also called for the elimination of unnecessary or confusing accent marks. Why, for example, does trone, meaning throne, have a circumflex accent while zone,

which is pronounced exactly the same way, does not? There was widespread support,

too, for changing the final x to s in plural nouns such as bureaux; for changing ph to f in words such as pharmacie, and for the simplification of words derived from Greek ritme, rather than rythme. All of which is a reminder that

reformers like George Bernard Shaw, or Melvil - né Melville -Dewey, or even Colonel Robert R. (for rite it like it sounds) McCormick did not get very far either in their campaigns to simplify as-pects of the English language for which some might consider there is little rhyme or reason. Several teachers pointed out

that other Latin languages such as Spanish and Italian, or Slavic languages such as Russian have been substantially simplified with no loss of meaning or nuance, so they sound the way they are spelled. Le Figaro, the conservative dai-

ly newspaper, ever alert to spot a decline in civilization, asked sever-al members of the French intelligentsia whether they thought the anguage should be modified. Not surprisingly, most were against the idea. Or was it, perhaps, that Figaro consulted mostly conservatives like itself?

Jacqueline de Romilly, the classical scholar recently elected to the French Academy, said modern society is witnessing the "massacre" of the language. "Spelling reflects the history of words, their sense and their syntactic links," she said. Her fellow arademician, André

Frossard, said words have "a cuphony, a certain mystery, a deand should not be written my old how.

Simplifying the language would mean cutting it off from its Greek and Latin roots, said Guy Bayet, president of the Society of Professors. But then, it could he asked why the Latin persona (person) appears in French with a confusing double consonant as personne. one of many examples of how French has already moved away from its classical origins.

It would be easier to teach children how to spell properly than to simplify the language, and any re-form would therefore be "uscless" and "puerile," according to another academician, Félicien Marceau. Or should that be Phélicien

PEOPLE

In L.A., Liberty's Rival?

"Musical Forest" and aquariums, a London auction. Sotheby's said but not a giant video screen facing the buyer of the 1964 Facel Vega freeway drivers or a huge transparent bird that lays an egg — as some marily interested in the French of the other designs proposed. And made car and was not a Beatles of the other designs proposed in the architects of the winning design, titled "Asymptote," are from lectors crowded into a tent beside. New York. The West Coast Gateway Committee hopes corporate try mansion west of London, and donations will be sought to build paid £1.09 million (\$2 million) for the project over a downtown freeway. "This is the project that's go-ing to lead Los Angeles, at least in Henry Ford II. The total was donarchitecture and vision, to be a true world-class city," said Nick Pat-saouras, the committee's chairman. The design calls for two giant aquariums and 10 to 12 buildings housing the "Galaxy of Foods," "Park of Peace and Unity" and the "Musical Forest," theaters, art galleries and an immigration museum.

The 19th Prix Ibsen, a French

award given every two years to playwrights whose reputation is still in the making, went to the Congolese director Sony Labou Tansi. He was cited for his plays 'Antoine m'a vendu son destin Antoine Sold Me His Destiny) and Moi veuve de l'empire" (Myself, Widow of the Empire).

Dustin Hoffman may command as much as \$5 million for a film role, but he will be paid only \$3,700 a week to appear on the London stage in William Shakespeare's The Merchant of Venice." It is in the British actors' tradition to work for less money on stage than in films. Hoffman will play Shylock in the production, which will open in late May in a theater to be an-nounced. It will be directed by Sir Peter Hall former director of London's National Theatre.

A ballet by the French choreog-rapher Maurice Béjart, based on the life and loves of the singer Edith Pist, had its European premiere in Lansanne, Switzerland, on Mon- & Casino in Atlantic City, New day night and drew enthusiastic reviews. "Piaf" was first performed in Tokyo. The company plans to tour West Germany in January and Italy in February and March. In did make a big impression on the the spring, Bejart will work on a American people during the tele-show in Paris for the bicentennial vised hearings into the Iran-contra

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mer Ringo Starr sold for \$78,350 at

ble Sotheby's estimate.

The photographer Henri Cartier. Bresson was interviewed Monday on French television but viewers saw only the camera on his lap. The 80-year-old Frenchman insisted that the television camera not focus on his face. Cartier-Bresson, one of the 20th century's greatest photographers, said anonymity was essential to his work. "I think it was Degas who said that fame is fine as long as you're unknown. To observe you have to be unobserved. look, look and don't talk.".

When James Brown performed m a charity concert in Augusta Georgia, he drew only about 350 people. "I don't count money I count blessings," he said. The concert was a court-ordered performance as part of a plea agreement on criminal charges that included. possession of the drug PCP and resisting arrest. Promoters had hoped to raise about \$70,000, but receipts totaled less than \$3,500.

The actor Deunis Quaid made surprise appearance at a nightcinb when he joined Jerry Lee Lewis for a set of songs before a standing room-only crowd. Quaid is in Memphis, Temessee, to film the motion picture "Great Balls Of Fire" about Lewis's early years.

Oliver North, the former White House aide, will speak in February to invited guests at the Sands Hotel Jersey, about American family life.

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appealed for reform. As a result, the Ministry of Education formed

a commission to study simplified

spelling. This also got nowhere.

For 350 years, the French Acad-

emy has had the task of establish-

ing correct spelling and grammar. In 1976, it authorized a modest

simplification of several words —

such as ognon instead of oignon

for onion -- but according to

Maurice Druon, its permanent

secretary, the changes have not entered current language.

cial watchdog known as le com-missariat général à la langue fran-

caise, attached to the prime

minister's office and backed by

the law. It is the main defense

against the invasion of franglais,

and in league with the French

Academy it has created 3,000

words to meet modern needs, such

as mercatique for marketing and

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The language also has an offi-

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